3RD QUARTER 2006
DATA REPORT

PCB MOBILITY AND MIGRATION INVESTIGATION

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SAUGET, ILLINOIS

Prepared for
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January 19, 2007

URS

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Project # 21561640

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1.0 INTRODUCTION

Solutia Inc. (Solutia) is conducting groundwater monitoring activities as outlined in the PCB Mobility and Migration Investigation Work Plan (Solutia, 2005). This report presents the results of the 3rd Quarter 2006 (3Q06) sampling event as part of the Phase III Site Investigation. This is the second sampling event for the well network. Solutia intends to submit data reports, such as this one, for the quarterly events that make up the two-year baseline monitoring period (2Q06 to 1Q08). The site location map is presented on **Figure 1**.

The monitoring well network consists of eight monitoring wells as follows:

- Two wells located in the source area, PMA-MW-4S and PS-MW-2, which are screened in the Shallow Hydrogeologic Unit (SHU) and Middle Hydrogeologic Unit (MHU), respectively.
- Three well clusters that are downgradient of the source area and outside of the 25 mg/kg total PCB isoconcentration line in soil, PMA-MW-1S/M, PMA-MW-2S/M and PMA-MW-3S/M, These clusters include wells screened in the SHU (designated with an "S") and MHU (designated with an "M").

The wells have 5 foot long screens. SHU wells are screened from approximately el. 390 to 385 NGVD and MHU wells are screened from approximately el. 355 to 350 NGVD (**Table 1**).

Groundwater samples were obtained from a total of seven monitoring wells during the 3rd quarter. Monitoring well PMA-MW-4S was not sampled due to the presence of dense non-aqueous phase liquid (DNAPL). The sample from well PSMW-2 was collected during the Plume Stability Monitoring Program and the results are also included in this report. Laboratory data sheets and relevant field sampling information for this well are included in the 3Q06 Plume Stability Monitoring Program Data Report.

The monitoring well locations are shown on **Figure 2.** The field sampling activities were conducted in accordance with the procedures outlined in the PCB Mobility and Migration Investigation Work Plan including the collection of appropriate quality assurance and quality control (QA/QC) samples. The following section summarizes the field investigative procedures.

2.0 FIELD PROCEDURES

URS Corporation (URS) conducted the 3Q06 field activities on August 30th (groundwater level measurements) and September 13th through 15th, 2006 (groundwater quality sampling).

Groundwater Level Measurements- Static groundwater levels and total well depths were measured and the presence of non-aqueous phase liquids was evaluated on August 30, 2006 using an oil/water interface probe at the well locations. Well gauging information for the 3Q06 event is presented in **Table 1**. Monitoring well PMA-MW-4S had a measured DNAPL thickness of 0.52 ft. Groundwater potentiometric surface maps of the SHU and MHU are presented on **Figures 3** and **4,** respectively.

Groundwater Quality Sampling - Low-flow sampling techniques were used for groundwater sample collection. At each monitoring well, a submersible pump attached to polyethylene tubing was slowly lowered down the well and secured so that the pump intake was set near the middle or slightly above the middle of the screened interval. The other end of the polyethylene tubing was connected to a flow-through cell which discharged into a 5-gallon plastic bucket. Pump flow rates were started at approximately 100ml/min and increased to a maximum of 500 ml/min during purging. Water level measurements were initially recorded approximately every two minutes to assess whether significant drawdown was occurring. If significant drawdown occurred, the flow rates were scaled back. Drawdown was monitored to ensure that it did not exceed 25% of the distance between the pump intake and the top of the screen (approximately 0.62 ft). Once the flow rate and drawdown were stable, field measurements were collected approximately every three to five minutes. Field measurements are presented on the groundwater purging and sampling forms, in **Appendix A.** Groundwater was considered stable when the following criteria were met over a minimum of three successive flow-through cell volumes:

- pH - ± 0.2 units
- Specific Conductance - ± 3%
- Dissolved Oxygen (DO) - ± 10% or ± 0.2 mg/L whichever is greater
- Oxidation-Reduction Potential (ORP) ± 20 mV

Once stabilization was achieved, samples were collected in the following order:

- Volatile Organic Compounds (VOCs)
- Semivolatile Organic Compounds (SVOCs)
- Polychlorinated biphenyls (PCBs), filtered and unfiltered (field filtered using a 0.45 micron filter)

QA/QC samples consisting of analytical duplicates (DUP) and equipment blanks (EB) were collected at a rate of 10% and matrix spike/matrix spike duplicates (MS/MSD) were collected at a rate of 5%, complying with the work plan. In addition, trip blanks accompanied each shipment containing samples for VOC analysis. All samples were submitted to Severn-Trent Laboratory (STL) facility in Savannah, Georgia. for analysis.

The sample identification system for groundwater samples included the following nomenclature "PMA2S-0906" which denotes PCB Manufacturing Area monitoring well number 2S sampled in September 2006. QA/QC samples are identified by the suffix DUP, EB or MS/MSD.

Field personnel recorded the project identification and number, sample description/location, required analysis, date and time of sample collection, type and matrix of sample, number of sample containers, analysis requested/comments, and sampler signature/date/time, with permanent ink on the chain-of-custody (COC). COC forms are included in **Appendix B**

Samples were placed on ice inside a cooler immediately following sampling. Courier service was provided by STL's facility in Earth City, Missouri. Sample containers were packed in such a way as to

help prevent breakage. Samples were shipped in coolers, each containing ice to maintain inside temperature at approximately 4°C. Sample coolers were sealed between the lid and sides of the cooler with a custody seal prior to shipment. The samples were shipped to the STL facility in Savannah, Georgia by means of an overnight delivery service.

3.0 LABORATORY PROCEDURES

Samples were analyzed by STL for the 40 CFR 264 Appendix IX VOCs, SVOCs, PCBs, using the following methodologies:

- VOCs, via Method 8260B
- SVOCs, via Method 8270C
- PCBs, via Method 680

4.0 QUALITY ASSURANCE

Analytical data were reviewed for quality and completeness as described in the PCB Mobility and Migration Investigation Work Plan. Data qualifiers were added, as appropriate, and are included on the data tables and the laboratory result pages. The Quality Assurance report is included as **Appendix C**. Laboratory result pages are included in **Appendix D**.

A total of 13 samples (seven investigative groundwater samples, one field duplicate, one MS/MSD pair, one equipment blank and two trip blanks) were prepared and analyzed by STL for combinations of VOCs, SVOCs and PCBs. The results for the various analyses were submitted as sample delivery group (SDG) KPM003.

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 1999 and the PCB Mobility and Migration Investigation Work Plan, 2005. Based on the above mentioned criteria, results reported for the analyses performed were accepted for their intended use. Acceptable levels of accuracy and precision, based on MS/MSD, LCS, surrogate and field duplicate data were achieved for this SDG to meet the project objectives. Completeness, which is defined to be the percentage of analytical results which are judged to be valid, including estimated (J/UJ) data was 100 percent.

5.0 OBSERVATIONS

This section presents a brief summary of the groundwater analytical results from the 3Q06 sampling event. Nine VOCs (benzene; chlorobenzene; chloroform; 1, 2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; ethylbenzene, toluene and total xylenes), three SVOCs (p-chloroaniline, phenol and 2-toluidene) and two PCBs (monochlorobiphenyl and dichlorobiphenyl) were detected in groundwater samples collected from PCB Mobility and Migration Investigation Monitoring Wells PMAMW-1S/M, PMAMW-2S/M, PMAMW-3S/M and PSMW-2 (**Table 2**).

Benzene, chlorobenzene and Total PCBs were the only constituents detected in all of these monitoring wells. Consequently, these constituents were chosen to evaluate groundwater migration from the Former PCB Manufacturing Area in the Shallow and Middle Hydrogeologic Units.

Shallow Hydrogeologic Unit - No sample was collected from PMAMW-4S because 0.52 ft of DNAPL was present in the bottom of this well. Sampling under these conditions could result groundwater quality analytical results that were biased high. During the Phase I Site Investigation, a composite DNAPL sample was collected from four temporary sampling wells installed at the Former PCB Manufacturing Area. Total PCBs were present at a concentration of 107,996 mg/Kg in this May 2006 sample.

No PCBs were detected in two of three downgradient PCB Mobility and Migration monitoring wells (PMAMW-1S and PMAMW-2S) while monochlorobiphenyl was detected at a concentration of 0.32 ug/L in the third downgradient monitoring well (PMAMW-3S). These data indicate that PCBs in the Shallow Hydrogeologic Unit attenuated over the 300 to 400 ft distance between PMAMW-4S and the three downgradient monitoring wells.

No PCBs were detected in the filtered sample from PMAMW-3S indicating that the monochlorobiphenyl detected in the unfiltered sample was the result of PCB entrainment on investigation-derived solids or transport on colloidal- sized particles. These data indicate that PCBs were not migrating in the dissolved phase even with a source area PCB DNAPL concentration of 107,996 mg/Kg.

Benzene and chlorobenzene were detected in all three downgradient monitoring wells. Benzene was detected at concentrations of 12 ug/L, 16 ug/L and 250 ug/L, respectively, in PMAMW-1S, 2S and 3S while chlorobenzene was detected at concentrations of 2.2 ug/L, 1.1 ug/L and 1.8 ug/L.

Middle Hydrogeologic Unit - Monochlorobiphenyl was detected at a concentration of 0.1 ug/L in PCB Mobility and Migration Monitoring Well PSMW-2, which is located adjacent to PMAMW-4S in the Former PCB Manufacturing Area. Total PCBs were detected in all three downgradient monitoring wells at concentrations of 0.24 ug/L (PMAMW-1M), 2.4 ug/L (PMAMW-2M) and 1.94 ug/L (PMAMW-3M). With source area DNAPL concentrations of 107,996 mg/Kg of Total PCBs, these data indicate that PCB migration was attenuated as recharge from the SHU reached the MHU and migrated to the three downgradient monitoring wells.

No PCBs were detected in the filtered samples from all four monitoring wells indicating that the PCBs detected in the unfiltered samples were the result of PCB entrainment on investigation-derived solids or transport on colloidal-sized particles. These data indicate that PCBs were not migrating in the dissolved phase even though benzene and chlorobenzene were detected at maximum concentrations of 8,600 ug/L and 7,300 ug/L, respectively.

Benzene and chlorobenzene were detected at concentrations of 8,600 ug/L and 2,600 ug/L, respectively, in source area monitoring well PSMW-2. Benzene was detected at concentrations of 1,900 ug/L; 4,800 ug/L and 1,500 ug/L, respectively, in downgradient monitoring wells PMAMW-1M, 2M and 3M while chlorobenzene was detected at concentrations of 1,400 ug/L; 7,300 ug/L and 1,300 ug/L.

Figures 5 and **6** display the results for PCBs (unfiltered), PCBs (filtered-0.45 micron) and total chlorobenzenes for the 2Q06 and 3Q06 sampling events for the SHU and MHU, respectively. Data from the 3Q06 sampling event are generally consistent with the results from the 2Q06 sampling event (Solutia, 2006).

Solutia will continue to collect groundwater samples on a quarterly basis during the baseline monitoring period and will prepare reports similar to this.

6.0 REFERENCES

U.S. Environmental Protection Agency (USEPA), 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review.

Solutia Inc., 2005. PCB Mobility and Migration Investigation Plan, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, October 2005.

Solutia Inc., 2006. PCB Mobility and Migration Investigation 2nd Quarter 2006 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, October 2006.

Figures

CAHOKIA MARINE

UNION ELECTRIC

RIVER ZINC

AFTON CHEMICAL

MONSANTO AVENUE

SITE

SITE R

PCHEM POTW

CLAYTON CHEMICAL

CENTER ETHANOL COMPANY, LLC

W. G. KRUMMRICH FACILITY

ROUTE 3

MOBIL OIL

SITE S

SITE O

STERLING STEEL

ONYX INCINERATION

LOT F

AMERICAN BOTTOMS POTW

CERRO COPPER

SITE I

QUEENY AVENUE

SITE H

SITE G

SAUGET CAHOKIA

LEGEND

- W.G. KRUMMRICH FACILITY
- SAUGET AREA #1
- SAUGET AREA #2

N

W E

S

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SCALE FEET

PCB MOBILITY AND MIGRATION INVESTIGATION
3RD QUARTER 2006 DATA REPORT
W.G. KRUMMRICH FACILITY
SAUGET, ILLINOIS

PROJECT NO. 21561640.00003

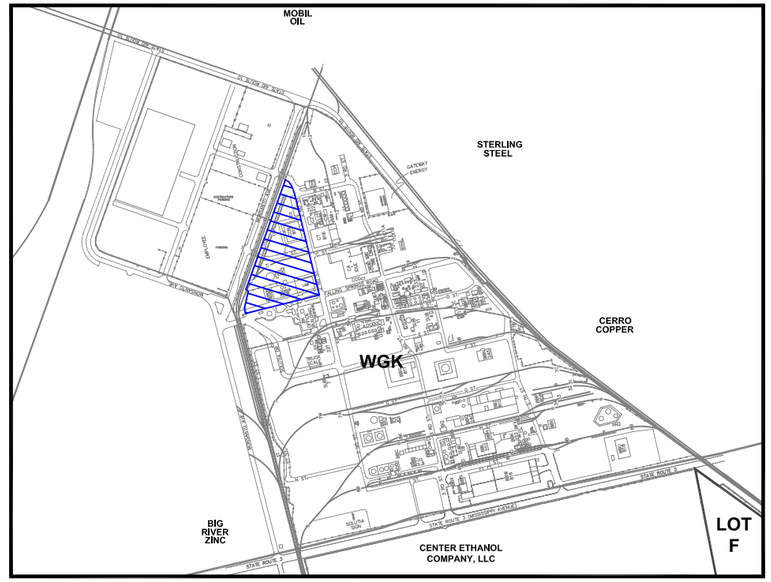
URS

DRN. BY: chs 11/8/06
DSGN. BY: ac
CHKD. BY:

Site Location Map

FIG. NO. 1

File: P:\ENVIRONMENTAL\21561640.00000 SOLUTIA WGK PCB MOBILITY AND MIGRATION INVESTIGATION\3RD QUARTER 2006 SAMPLING EVENT\3RD QUARTER REPORT\FIGURES\FIG. 1 SITE LOCATION MAP.DWG Last edited: JAN. 19, 07 @ 10:31 a.m. by: dobrouk0



KEYMAP
1" = 1000'

LEGEND

MONITORING WELL LOCATION

APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

0 200
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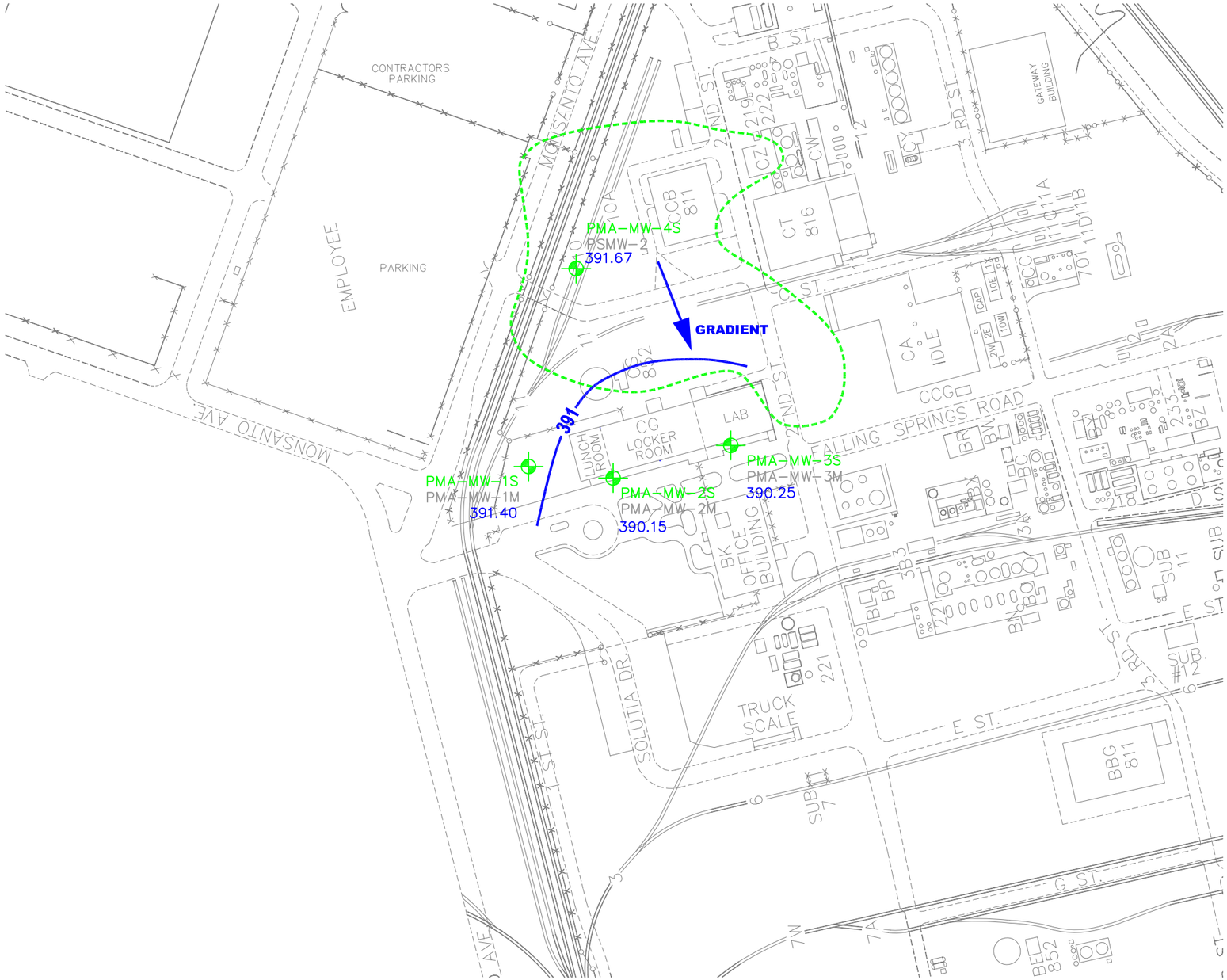
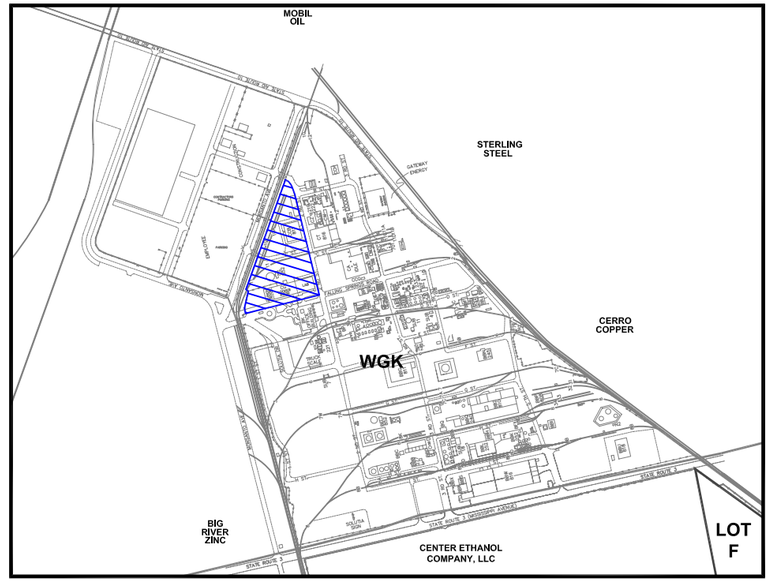
PCB MOBILITY AND MIGRATION INVESTIGATION 3RD QUARTER 2006 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS		PROJECT NO. 21561640.00003
URS		
DRN. BY: chs 11/8/06 DSGN. BY: tja CHKD. BY: bb	Former PCB Manufacturing Area Monitoring Well Locations	FIG. NO. 2

File: P:\ENVIRONMENTAL\21561640.00000 SOLUTIA WGK PCB MOBILITY AND MIGRATION INVESTIGATION\3RD QUARTER 2006 SAMPLING EVENT\3RD QUARTER REPORT\FIGURES\FIG-2 PCB MOBILITY AND MIGRATION WELL LOCATIONS.DWG Last edited: JAN. 19, 07 @ 10:36 a.m. by: ddbrouk0





KEYMAP
1" = 1000'

LEGEND

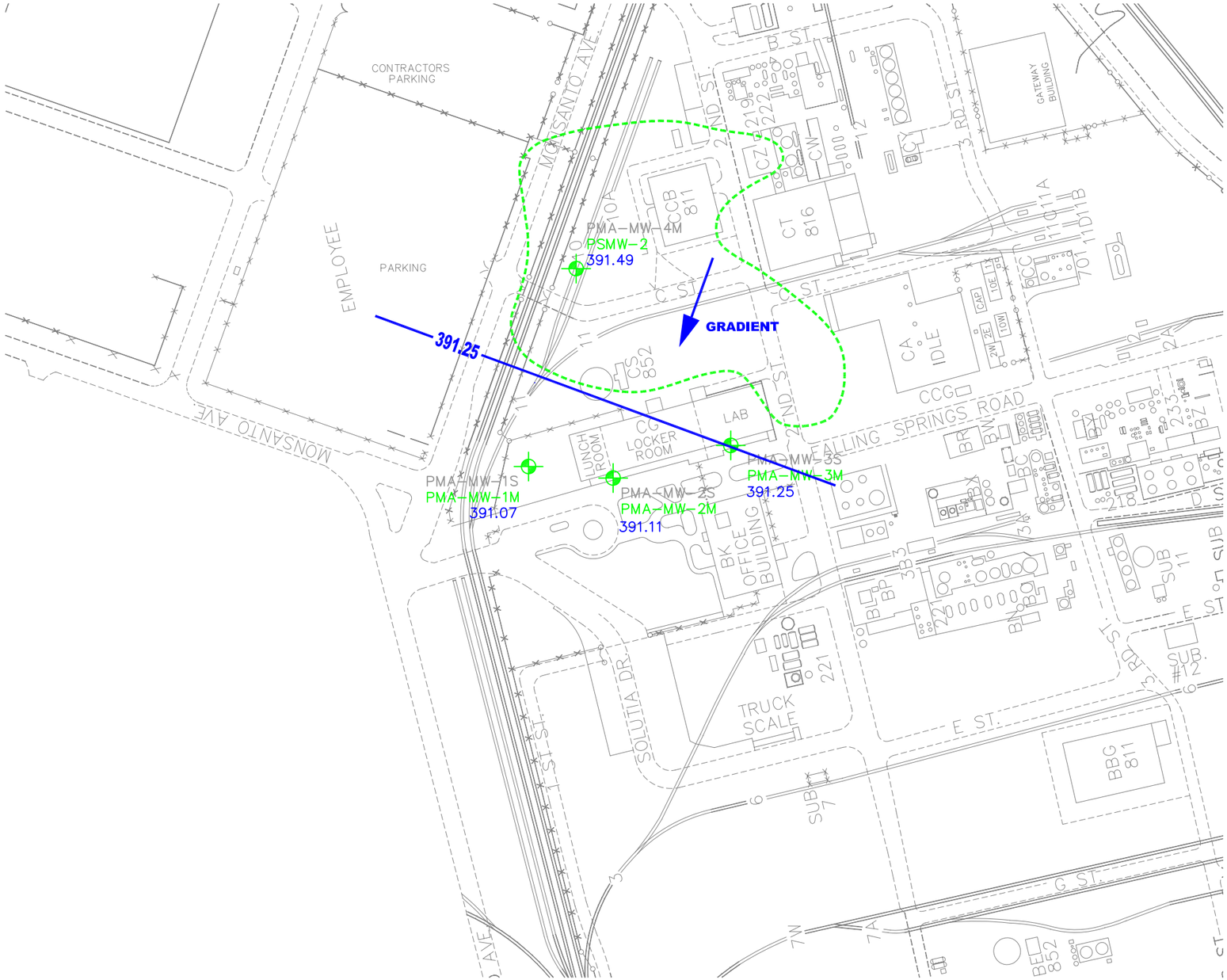
- MONITORING WELL LOCATION
- 391 GROUNDWATER ELEVATION CONTOUR (FT NAVD)
- APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

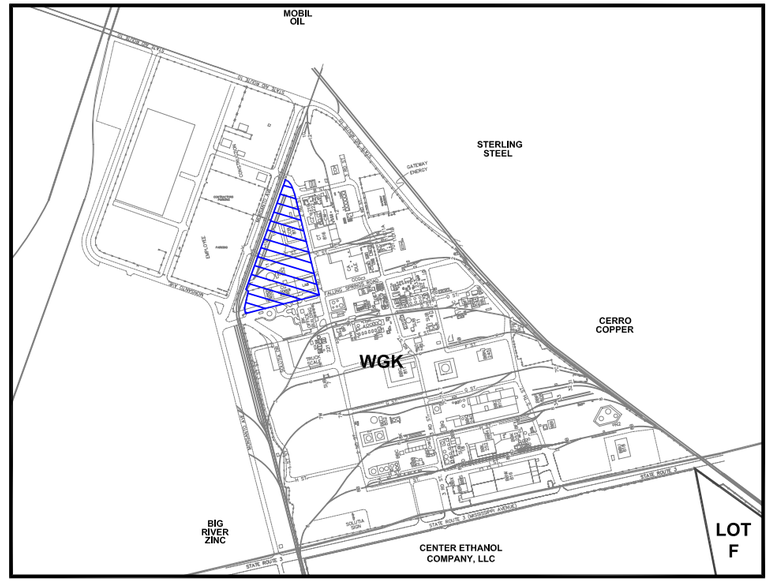
NOTE:
GROUNDWATER LEVEL MEASUREMENTS WERE RECORDED ON AUGUST 30, 2006.

0 200
SCALE FEET

PCB MOBILITY AND MIGRATION INVESTIGATION 3RD QUARTER 2006 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS		PROJECT NO. 21561640.00003
URS		
DRN. BY: chs 11/8/06 DSGN. BY: tja CHKD. BY: bb	Potentiometric Surface Map– Shallow Hydrogeologic Unit	FIG. NO. 3

File: P:\ENVIRONMENTAL\21561640.00000 SOLUTIA WGK PCB MOBILITY AND MIGRATION INVESTIGATION\3RD QUARTER 2006 SAMPLING EVENT\3RD QUARTER REPORT\FIGURES\FIG-3 (SHALLOW).DWG Last edited: JAN. 19, 07 @ 10:40 a.m. by: dobrouk0





KEYMAP
1" = 1000'

LEGEND

- MONITORING WELL LOCATION
- APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)
- 391.25 GROUNDWATER ELEVATION CONTOUR (FT NAVD)

NOTE:
GROUNDWATER LEVEL MEASUREMENTS WERE RECORED ON AUGUST 30, 2006.

0 200
SCALE FEET

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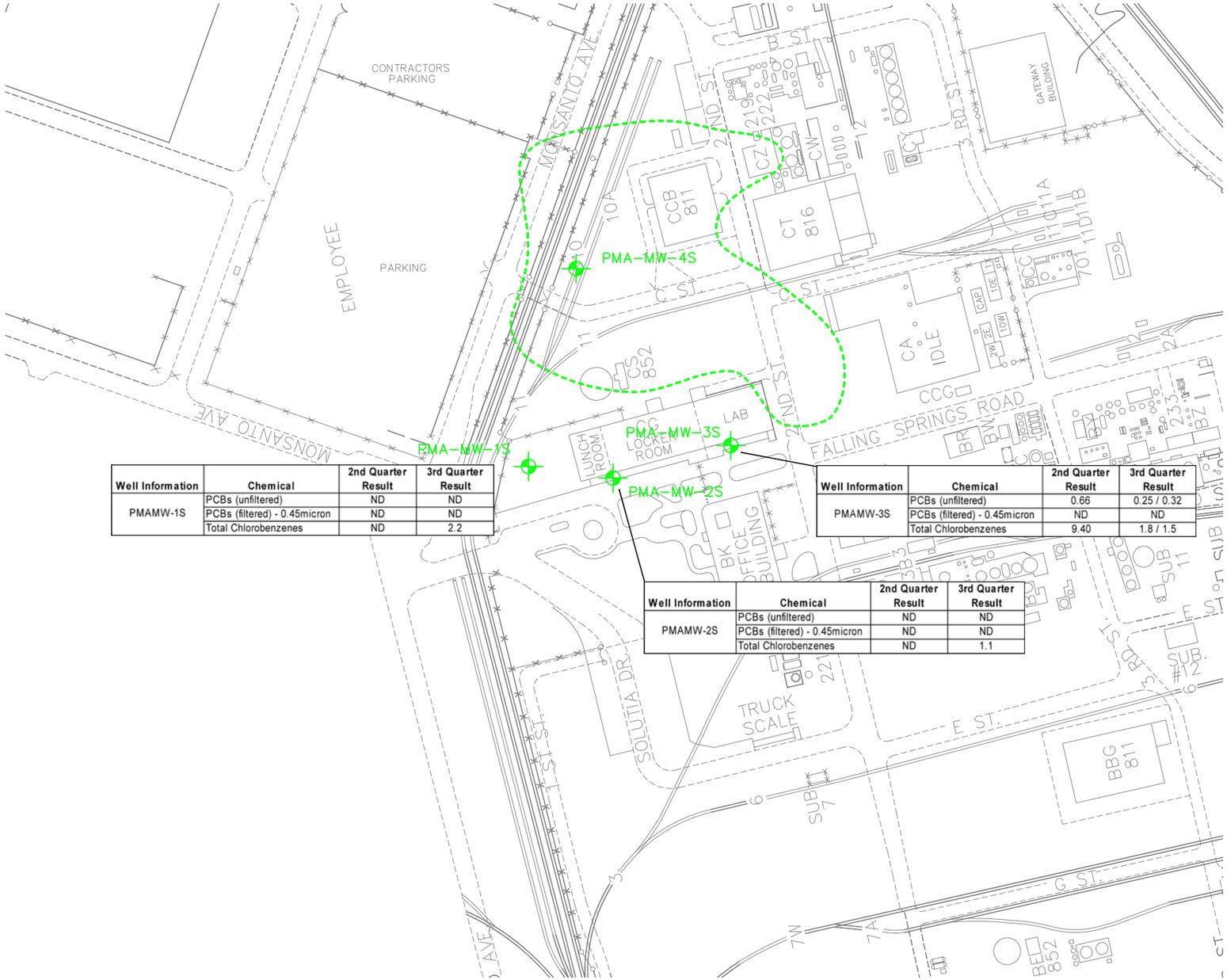
DRN. BY: chs 11/8/06 DSGN. BY: tja CHKD. BY: bb	Potentiometric Surface Map– Middle Hydrogeologic Unit	FIG. NO. 4

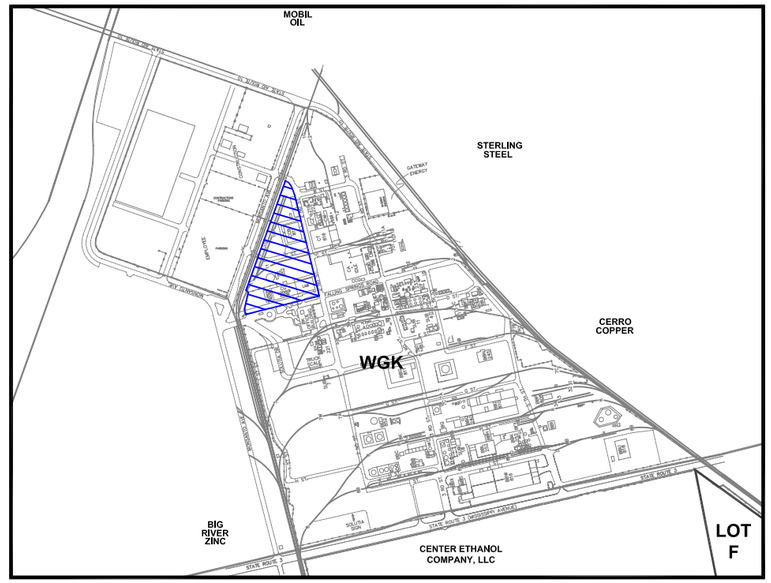
File: P:\ENVIRONMENTAL\21561640.00000 SOLUTIA WGK PCB MOBILITY AND MIGRATION INVESTIGATION\3RD QUARTER 2006 SAMPLING EVENT\3RD_QUARTER_REPORT\FIGURES\FIG-4 MIDDLE).DWG Last edited: JAN. 19, 07 @ 10:42 a.m. by: dobrouk0



Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PMAMW-1S	PCBs (unfiltered)	ND	ND
	PCBs (filtered) - 0.45micron	ND	ND
	Total Chlorobenzenes	ND	2.2

Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PMAMW-3S	PCBs (unfiltered)	0.66	0.25 / 0.32
	PCBs (filtered) - 0.45micron	ND	ND
	Total Chlorobenzenes	9.40	1.8 / 1.5

Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PMAMW-2S	PCBs (unfiltered)	ND	ND
	PCBs (filtered) - 0.45micron	ND	ND
	Total Chlorobenzenes	ND	1.1



KEYMAP
1" = 1000'

NOTES:
1) TOTAL CHLOROBENZENES RESULTS INCLUDE THE SUM OF MONOCHLOROBENZENE, 1,2–DICHLOROBENZENE, 1,3–DICHLOROBENZENE, 1,4–DICHLOROBENZENE, AND 1,2,4–TRICHLOROBENZENE.

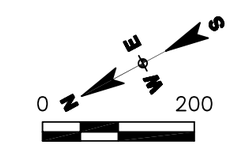
2) TOTAL PCBs RESULTS INCLUDE THE SUM OF ALL METHOD 680 HOMOLOGS.

3) ND DENOTES NOT DETECTED.

4) RESULTS SHOWN ARE IN ug/l.

5) MULTIPLE SAMPLE RESULTS INDICATE A DUPLICATE SAMPLE.

6) WELL PMA–MW–4S CONTAINED DNAPL AND WAS NOT SAMPLED.



LEGEND

MONITORING WELL LOCATION

APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

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SAUGET, ILLINOIS

PROJECT NO. 21561640.00003

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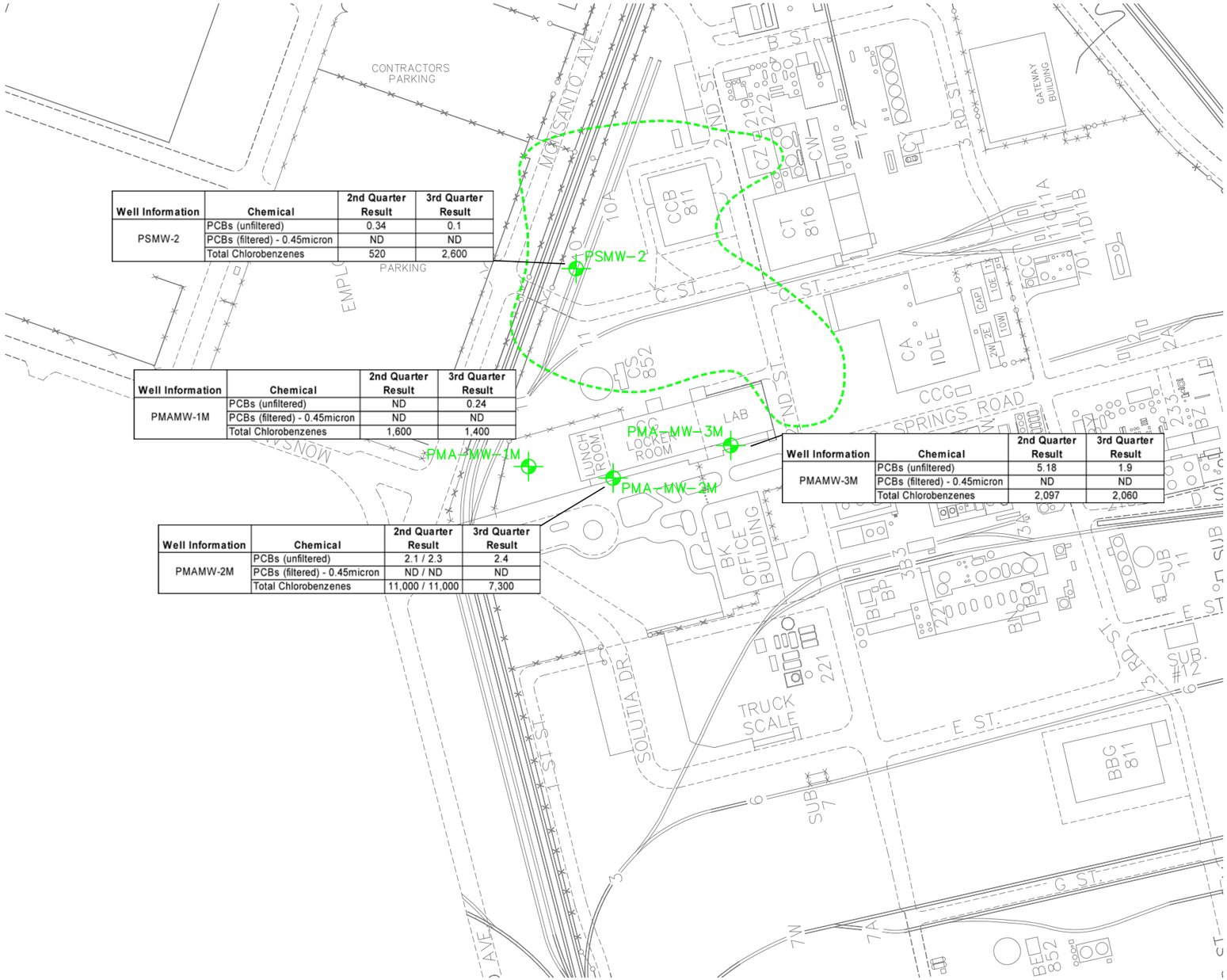
DRN. BY: chs 11/8/06
DSGN. BY: tja
CHKD. BY: bb

PCB and Total Chlorobenzene Results–SHU Wells

FIG. NO. 5

File: P:\ENVIRONMENTAL\21561640.00000 SOLUTIA WGK PCB MOBILITY AND MIGRATION INVESTIGATION\3RD QUARTER 2006 SAMPLING EVENT\3RD QUARTER REPORT\FIGURES\FIG-5 TOTAL PCB.DWG Last edited: JAN. 19, 07 @ 10:47 a.m. by: dobroukO

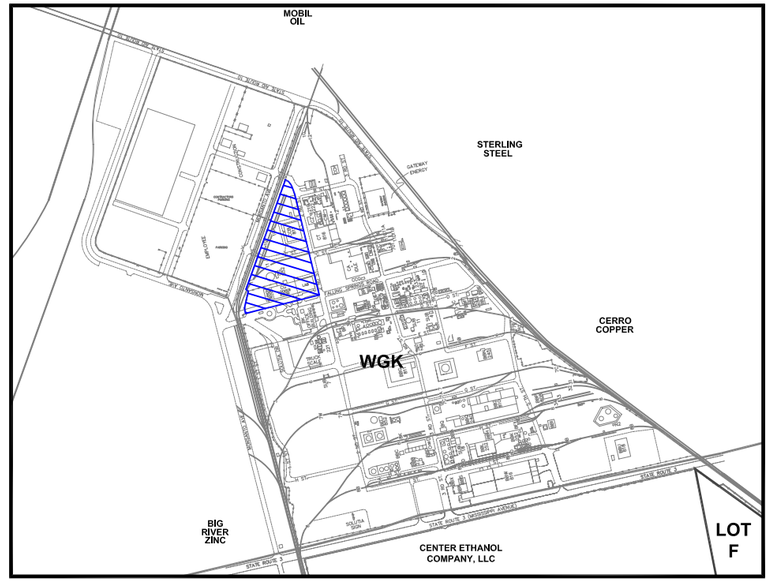


Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PSMW-2	PCBs (unfiltered)	0.34	0.1
	PCBs (filtered) - 0.45micron	ND	ND
	Total Chlorobenzenes	520	2,600

Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PMAMW-1M	PCBs (unfiltered)	ND	0.24
	PCBs (filtered) - 0.45micron	ND	ND
	Total Chlorobenzenes	1,600	1,400

Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PMAMW-3M	PCBs (unfiltered)	5.18	1.9
	PCBs (filtered) - 0.45micron	ND	ND
	Total Chlorobenzenes	2,097	2,060

Well Information	Chemical	2nd Quarter Result	3rd Quarter Result
PMAMW-2M	PCBs (unfiltered)	2.1 / 2.3	2.4
	PCBs (filtered) - 0.45micron	ND / ND	ND
	Total Chlorobenzenes	11,000 / 11,000	7,300



KEYMAP
1" = 1000'

NOTES:
1) TAL CHLOROBENZENES RESULTS INCLUDE THE SUM OF MONOCHLOROBENZENE, 1,2–DICHLOROBENZENE, 1,3–DICHLOROBENZENE, 1,4–DICHLOROBENZENE, AND 1,2,4–TRICHLOROBENZENE.
2) TOTAL PCBs RESULTS INCLUDE THE SUM OF ALL METHOD 680 HOMOLOGS.
3) ND DENOTES NOT DETECTED.
4) RESULTS SHOWN ARE IN ug/l.
5) MULTIPLE SAMPLE RESULTS INDICATE A DUPLICATE SAMPLE.

0 200
SCALE FEET

LEGEND

MONITORING WELL LOCATION

APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

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DRN. BY: chs 11/8/06 DSGN. BY: tja CHKD. BY: bb	PCB and Total Chlorobenzene Results–MHU Wells	FIG. NO. 6

Tables

Table 1
Monitoring Well Gauging Information

Well ID	Construction Details						August 30, 2006			
	Ground Elevation (ft)* NAVD 88	TOC Elevation (ft)* NAVD 88	Top of Screen Depth (ft)**	Bottom of Screen Depth (ft)**	Top of Screen Interval (Elevation) *	Bottom of Screen Interval (Elevation) *	Depth to Water (ft) ***	Depth to Product (ft) ***	Depth to Bottom (ft)***	Water Elevation (ft)*
Shallow Hydrogeologic Unit (SHU 395 - 380 ft NAVD)										
PMAMW-1S	410.30	410.06	19.90	24.90	390.40	385.40	18.66		24.90	391.40
PMAMW-2S	412.27	411.66	22.33	27.33	389.94	384.94	21.51		27.33	390.15
PMAMW-3S	412.37	412.06	22.40	27.40	389.97	384.97	21.81		27.40	390.25
PMAMW-4S	411.09	410.43	20.33	25.33	390.76	385.76	18.76	24.81	25.33	391.67
Middle Hydrogeologic Unit (MHU 380 - 350 ft NAVD)										
PMAMW-1M	410.32	410.08	54.30	59.30	356.02	351.02	19.01		59.30	391.07
PMAMW-2M	412.26	411.93	56.54	61.54	355.72	350.72	20.82		61.54	391.11
PMAMW-3M	412.36	412.10	56.81	61.81	355.55	350.55	20.85		61.81	391.25
PSMW-2	411.22	410.88	68.55	73.55	342.67	337.67	19.39		73.55	391.49

Note:

* Elevation based upon North American Vertical Datum (NAVD) 88 datum.

** Feet below ground surface.

*** Depth is measured from top of casing (TOC).

Coordinates--State Plane 1983, Illinois West, NAD 1983

Table 2
Groundwater Analytical Detections

Sample ID	Sample Date	Chemical Group	Chemical	Result	Units	Lab Qualifiers	URS Qualifiers
PMA1S-0906	9/15/06	VOCs	Benzene	12	ug/L		
PMA1S-0906	9/15/06	VOCs	Chlorobenzene	2.2	ug/L		
PMA1M-0906	9/15/06	VOCs	Benzene	1,900	ug/L		
PMA1M-0906	9/15/06	VOCs	Chlorobenzene	1,400	ug/L		
PMA1M-0906	9/15/06	PCBs	Monochlorobiphenyl	0.24	ug/L		
PMA2S-0906	9/14/06	VOCs	Benzene	16	ug/L		
PMA2S-0906	9/14/06	VOCs	Chlorobenzene	1.1	ug/L		
PMA2S-0906	9/14/06	VOCs	Chloroform	1.1	ug/L		
PMA2M-0906	9/14/06	VOCs	Benzene	4,800	ug/L		
PMA2M-0906	9/14/06	VOCs	Chlorobenzene	7,300	ug/L		
PMA2M-0906	9/14/06	SVOCs	P-Chloroaniline	100	ug/L		
PMA2M-0906	9/14/06	PCBs	Monochlorobiphenyl	2.4	ug/L		
PMA3S-0906	9/13/06	VOCs	Benzene	230	ug/L	D	
PMA3S-0906	9/13/06	VOCs	Chlorobenzene	1.8	ug/L		
PMA3S-0906	9/13/06	PCBs	Monochlorobiphenyl	0.25	ug/L		
PMA3S-0906-DUP	9/13/06	VOCs	Benzene	250	ug/L	D	
PMA3S-0906-DUP	9/13/06	VOCs	Chlorobenzene	1.5	ug/L		
PMA3S-0906-DUP	9/13/06	PCBs	Monochlorobiphenyl	0.32	ug/L		
PMA3M-0906	9/14/06	VOCs	1,2-Dichlorobenzene	110	ug/L		
PMA3M-0906	9/14/06	VOCs	1,3-Dichlorobenzene	50	ug/L		
PMA3M-0906	9/14/06	VOCs	1,4-Dichlorobenzene	600	ug/L		
PMA3M-0906	9/14/06	VOCs	Benzene	1,500	ug/L		
PMA3M-0906	9/14/06	VOCs	Chlorobenzene	1,300	ug/L		
PMA3M-0906	9/14/06	VOCs	Ethylbenzene	92	ug/L		
PMA3M-0906	9/14/06	VOCs	Toluene	16	ug/L		
PMA3M-0906	9/14/06	VOCs	Xylenes, Total	280	ug/L		
PMA3M-0906	9/14/06	PCBs	Dichlorobiphenyl	0.14	ug/L		
PMA3M-0906	9/14/06	PCBs	Monochlorobiphenyl	1.8	ug/L		
PS2-0906	9/13/06	VOCs	Benzene	8,600	ug/L		
PS2-0906	9/13/06	VOCs	Chlorobenzene	2,600	ug/L		
PS2-0906	9/13/06	SVOCs	2-Toluidine	14	ug/L		
PS2-0906	9/13/06	SVOCs	P-Chloroaniline	330	ug/L	D	J
PS2-0906	9/13/06	SVOCs	Phenol	26	ug/L		
PS2-0906	9/13/06	PCBs	Monochlorobiphenyl	0.1	ug/L		
PS2-0906	9/13/06	Metals	Barium	1.1	mg/L		

Notes:
D = Diluted sample
J = Estimated value
mg/L = milligrams per liter
ug/L = micrograms per liter

Appendix A

Groundwater Purging and Sampling Forms

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PCB Migration Study PROJECT NUMBER: 21561640 FIELD PERSONNEL: S. Moore / M. Miller
DATE: 9-15-06 WEATHER: 70s sunny
MONITORING WELL ID: ~~PB~~ PMAMW-1S
~~9-14-06~~

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 24.95 ft
Depth to Water (btoc): 19.19 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 19.95 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 5.76 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is ⟨4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 22.45 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are ⟨ 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = ____ ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: SS monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
.5 gal	1045	~~19.41~~ 19.34	sl. cloudy	NO	6.75	20.80	1.304	55	1.34	45.9
1 gal	1050	19.34			6.59	20.08	1.354	27	0.74	40.7
1.5 gal	1055	19.34			6.40	19.96	1.380	17	0.72	29.0
2 gal	1100	19.34			6.62	20.16	1.381	9.9	071	33.2
2.5 gal	1105	19.34			6.63	20.19	1.377	8.3	0.63	31.8
3.0 gal	1110	19.34			6.64	20.18	1.380	7.2	0.63	32.8

Start Time: 1043
Stop Time: 1110
Elapsed Time: 27 min
Average Purge Rate (mL/min): 300
Water Quality Meter ID: YSI 556
Date Calibrated: 9-15-06

SAMPLING DATA

Sample Date: 9-15-06
Sample Method: Stainless Steel Monsoon
Sample Time: 1115
Sample Flow Rate: 300
Analysis: VOC, SVOC, PCB-TOTAL, PCB-F (0.45u)
Date Calibrated: 9-15-06

COMMENTS:

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

WGK PCB
PROJECT NAME: Migration Study PROJECT NUMBER: 21561640 FIELD PERSONNEL: S Moore/M Miller
DATE: 9-15-06 WEATHER: 70s Sunny
MONITORING WELL ID: PMAMW-~~2M~~ 1M
~~5~~ 9.15.06

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 59.66 ft
Depth to Water (btoc): 19.52 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 54.66 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 40.14 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 57.16 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: SS Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH (.2)	Temp (°C) (3%)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l) (10% or .2)	ORP (mv) (20)
.5 gal	0822	19.55	cloudy brown	yes	6.76	17.92	2.703	60	1.58	-23.5
1 gal	0827	19.55			6.86	18.24	2.764	40	1.08	-108.3
1.5 gal	0832	19.55			6.89	18.34	2.771	14	0.91	-124.8
2 gal	0837	19.55			6.91	18.41	2.785	9.4	0.81	-134.3
2.5 gal	0842	19.55			6.92	18.51	2.779	9.3	0.73	-139.1
3.0 gal	0847	19.55			6.93	18.58	2.778	10	0.64	-142.8

Start Time: 0819
Stop Time: 0847
Elapsed Time: 28 min
Average Purge Rate (mL/min): 400
Water Quality Meter ID: YSI 556
Date Calibrated: 9-15-06

SAMPLING DATA

Sample Date: 9-15-06
Sample Method: Stainless Steel Monsoon
Sample Time: 0850
Sample Flow Rate: 400
Analysis: VOC, SVOC, PCB(TOTAL), PCB(Filtered) (0.45u)
Date Calibrated: 9-15-06

COMMENTS:

MS/MSD performed at this well ~~(PMA1)~~ 9.15.06
(PMA1M-0906-MS) 0855
((PMA1M-0906-MSD) 0900

VOC contains : effervescence encountered filling VOAs

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PCB Migration Study PROJECT NUMBER: 21561640 FIELD PERSONNEL: S Moore | M. Miller
DATE: 9-14-06 WEATHER: 70s - sunny
MONITORING WELL ID: PMAMW-2S

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 24.95 ft
Depth to Water (btoc): 20.92 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 19.95 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 4.03 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is ⟨4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = — ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are ⟨ 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: SS Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH (.2)	Temp (°C)	Cond. (ms/cm) (3%)	Turbidity (NTUs)	DO (mg/l) (10% or .2)	ORP (mv) (20)
0.5 gal	1455	20.98	red-brown	yes	7.13	20.80	0.972	290	2.59	44.1
1.0 gal	1500	20.98	↓	yes	7.03	20.85	0.990	130	1.74	21.0
1.5 gal	1505	20.98	clear	NO	7.02	20.79	0.992	23	1.40	10.4
2.0 gal	1510	20.98	↓	NO	7.02	20.98	0.986	10	1.17	3.3
2.5 gal	1515	20.98	↓	NO	7.02	~~20~~ 21.21	0.986	7.5	1.05	0.4
3.0 gal	1520	20.98	↓	NO	7.04	21.23	0.984	2.9	0.94	-4.6

Start Time: 1452
Stop Time: 1520
Elapsed Time: 28 min
Average Purge Rate (mL/min): 500
Water Quality Meter ID: YSI 556
Date Calibrated: 9-14-06

SAMPLING DATA

Sample Date: 9-14-06
Sample Method: Stainless Steel Monsoon
Sample Time: 1525
Sample Flow Rate: 500
Analysis: VOC, SVOC, PCB TOTAL, PCB-F (0.45u)
Date Calibrated: 9-14-06

COMMENTS:
EB before this well (PMA2S-0906-EB)

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PCB Migration Study PROJECT NUMBER: 21561640 FIELD PERSONNEL: S Moore / M Miller
DATE: 9-14-06 WEATHER: 70s, sunny
MONITORING WELL ID: PMAMW-2M

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 61.58 ft
Depth to Water (btoc): 21.28 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 56.58 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 40.3 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is ⟨4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 59.08 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are ⟨ 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: SS monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
.5 gal	1130	21.28	clear-brn	NO	7.65	19.58	2.297	29	1.85	23.1
1 gal	1135	21.30	cloudy-brn		7.52	19.81	2.466	90	1.10	-93.9
1.5 gal	1140	21.30	"		7.47	20.20	2.483	180	0.80	-141.5
2 gal	1145	21.30			7.47	20.28	2.481	190	0.70	-155.0
2.5 gal	1150	21.30			7.47	19.97	2.480	180	0.65	-163.6
3.0 gal	1155	21.30			7.46	19.70	2.475	95	0.70	-169.4
3.5 gal	1200	21.30			7.44	20.55	2.469	65	0.47	-179.1
4 gal	1205	21.30	clear		7.46	20.74	2.463	50	0.43	-181.5
4.5 gal	1210	21.30	"		7.46	21.62	2.462	22	0.39	-186.5
5.0 gal	1215	21.30			7.47	22.23	2.472	24	0.39	-187.3

Start Time: 1129
Stop Time: 1215
Elapsed Time: 46 min
Average Purge Rate (mL/min): 350
Water Quality Meter ID: YSI 556
Date Calibrated: 9-14-06

SAMPLING DATA

Sample Date: 9-14-06
Sample Method: Stainless Steel Monsoon
Sample Time: 1220
Sample Flow Rate: 350
Analysis: VOC, SVOC, PCB, F-PCB (0.45µ)
Date Calibrated: 9-14-06

COMMENTS:
Sample recated w/ HCl VOA's (smoked) EB after this well (PMA2S-0906-EB)

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PCB Migration Study PROJECT NUMBER: 21561640 FIELD PERSONNEL: S Moore/M. Moore
DATE: 9-13-06 WEATHER: 70s, cloudy
MONITORING WELL ID: SPMA-3S

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 27.36 ft
Depth to Water (btoc): 21.18 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 22.36 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 6.18 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is ⟨4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 24.86 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are ⟨ 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: SS monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
					.2		3%		10% or .2	20
.5 gal	1451	21.30	Clear	NO	6.92	20.55	1.692	34	1.00	8.3
1 gal	1456	21.25	Clear		6.92	20.92	1.693	7.9	0.88	2.0
1.5 gal	1501	21.26	Clear		6.93	21.08	1.696	5.6	0.73	1.8
2.0 gal	1506	21.26	Clear		6.93	21.03	1.707	3.7	0.58	-3.7
2.5 gal	1511	21.26	Clear		6.92	20.91	1.706	2.1	0.50	-4.0
3.0 gal	1516	21.26	Clear		6.92	20.90	1.689	2.3	0.46	-3.7

Start Time: 1449
Stop Time: 1516
Elapsed Time: 27
Average Purge Rate (mL/min): 400
Water Quality Meter ID: YSI 556
Date Calibrated: 9-13-06

SAMPLING DATA

Sample Date: 9-13-06
Sample Method: Stainless Steel Monsoon
Sample Time: 1520
Sample Flow Rate: 400
Analysis: VOC, SVOC, PCBs, F-PCBs (0.45u), ~~Herb, Pest, Metals~~
Date Calibrated: 9-13-06

COMMENTS:
Dup performed at this well

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

WGK PCB
PROJECT NAME: Migration Study PROJECT NUMBER: 21561640 FIELD PERSONNEL: S Moore / M. Miller
DATE: 9/14/06 WEATHER: 60s, overcast
MONITORING WELL ID: PMAMW-3M

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 61.83 ft
Depth to Water (btoc): 21.28 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 56.83 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 40.55 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is ⟨4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 59.33 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are ⟨ 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: SS monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH (.2)	Temp (°C)	Cond. (ms/cm) (3%)	Turbidity (NTUs)	DO (mg/l) (10% or .2)	ORP (mv) (20)
0.5 gal	0840	21.31	dk brown	NO	9.07	19.52	1.536	37	2.61	75.6
1 gal	0845	21.31			9.28	19.07	2.409	50	1.26	56.4
1.5 gal	0850	21.31			9.33	19.26	2.461	40	0.97	35.2
2 gal	0855	21.31			9.36	19.32	2.462	36	0.80	21.1
2.5 gal	~~0855~~ 0900	21.31			9.39	19.33	2.458	33	0.69	6.8
3.0 gal	0905	21.31			9.43	19.30	2.457	34	0.60	-5.5
3.5 gal	0910	21.31			9.47	19.42	2.460	33	0.54	-21.3
4 gal	0915	21.31			9.52	19.31	2.465	30	0.49	-34.9
4.5 gal	0920	21.31			9.56	19.26	2.470	32	0.45	-49.9
5 gal	0925	21.31			9.59	19.29	2.481	24	0.42	-70.4
5.5 gal	0930	21.31			9.60	19.29	2.494	23	0.40	-77.4
6 gal	0935	21.31			9.61	19.28	2.496	20	0.36	-90.6
6.5 gal	0940	21.31			9.61	19.48	2.490	22	0.35	-102.5
7 gal	0945	21.31			9.61	19.68	2.487	20	0.34	-119.6
7.5 gal	0950	21.31			9.60	19.50	2.504	20	0.32	-124.9
8.0 gal	0955	21.31			9.64	19.33	2.501	17	0.32	-145.7

Start Time: 0840
Stop Time: 1005
Elapsed Time: 85 min
Average Purge Rate (mL/min): 400
Water Quality Meter ID: YSI 556
Date Calibrated: 9-14-06

SAMPLING DATA

Sample Date: 9-14-06
Sample Method: Stainless Steel Monsoon
Sample Time: 1010
Sample Flow Rate: 400
Analysis: VOC, SVOC, PCB, F-PCB (0.45u)
Date Calibrated: 9-14-06

COMMENTS:
-Samples w/ HCl presev. (VOC) smoked when in contact w/ sample! possible phase seperation

PURGE DATA CONTINUED:

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
					.2		3%		10% or .2	20
8.5 gal	1000	21.31	dk brn	ND	9.63	19.31	2.497	20	0.31	-156.5
9.0 gal	1005	21.31	dk brn	ND	9.64	19.34	2.495	99	0.30	-154.7

COMMENTS:

Appendix B

Chains-of-Custody

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
WOL PCB Mobility Study	21561640	IL
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
L. Gulizia		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
B. Billman	314-429-0100	314-429-0462
CLIENT NAME	CLIENT E-MAIL	
URS		
CLIENT ADDRESS		
1001 Highlands Plaza Dr. West Ste 300 St. Louis MO 63110		
COMPANY CONTRACTING THIS WORK (if applicable)		
Solutia		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 2

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: HNO3 Metals	PCBs - Filtered (0.45µm)	PCBs Total	VOCs	SVOCs	REMARKS
9/13/06	1345	PS2-0906		X				X	~~X~~ on 9-13-06	X	X	X	JOB 20272-2/KDS022
9/13/06	1345	PS2-0906-F		X					X				
9/13/06	1520	PMA3S-0906		X						X	X	X	JOB 20272-1/KPM003
9/13/06	1520	PMA3S-0906-F		X					X				
9/13/06	1520	PMA3S-0906-DUP		X						X	X	X	
9/13/06	1520	PMA3S-0906-F-DUP		X					X				

NUMBER OF CONTAINERS SUBMITTED

TEMP.: 1.0/2.1

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Jenny Moore	9-13-06	1700		9/13/06	17:25	Jill Clark	9.14.06	1700
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	9/13/06	17:00	Stacy Ephriam	9/13/06	17:25			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
KL	9/15/06	1030	YES ○ NO ○		680-20272-1/20272-2	

STL8240-680 (12/0

Serial Number 04134

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

Temp ① 5.1°C ② 5.6°C ③ 6.8°C

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
WGK PCB Mobility Study	21576 1640	IL
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
L. Guiliziza		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
B. Billman	314-429-0100	314-429-0462
CLIENT NAME	CLIENT E-MAIL	
WRS		
CLIENT ADDRESS		
1001 Highlands Plaza Dr. West Ste 300 St Louis, MO 63110		
COMPANY CONTRACTING THIS WORK (if applicable)		
Solutia		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 3

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: VOCs	SVOCs	PCBs - Total	PCBs - Filtered	REMARKS
		PRESERVATIVE										
9/14/06	1010	PMA3M-0906		X				X	X	X		Call if multiple phases are observed.
9/14/06	1010	PMA3M-0906-F		X							X	
9/14/06	1220	PMA2M-0906		X				X	X	X		
9/14/06	1220	PMA2M-0906-F		X							X	
9/14/06	1400	PMA2S-0906-EB		X				X	X	X		
9/14/06	1400	PMA2S-0906-EB-F		X							X	
9/14/06	1525	PMA2S-0906		X				X	X	X		
9/14/06	1525	PMA2S-0906-F		X							X	
9/14/06		TB7-0906		X				X				

TEMP. 1.6, 1.8, 2.6, 1.3

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Emily Moore	9/14/06	16:30		9/14/06	17:26	Jill Clark	9.15.06	1700
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	9/14/06	16:30		9/14/06	17:26			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
	9-16-06	0845		6801	20272	

STL8240-680 (12/02)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

(X) STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

( ) Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
WBK PCB Mobility Study	21561640	IL	1	1
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.		
L. Fuilinger				
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX		
B. Bellman	314-429-0100	314-429-0462		
CLIENT NAME	CLIENT E-MAIL			
URS				
CLIENT ADDRESS				
1001 Highlands Plaza Dr. West Ste 300 St. Louis, MO 63110				
COMPANY CONTRACTING THIS WORK (if applicable)				
Solutia				

STANDARD REPORT DELIVERY ( )
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 2

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: VOCs	SVOCs	PCBs - Total	PCBs - Filtered	NUMBER OF CONTAINERS SUBMITTED	REMARKS
								PRESERVATIVE					
9/15/06	0850	PMAIM-0906		X				X	X	X			
9/15/06	0850	PMAIM-0906-F		X							X		
9/15/06	0855	PMAIM-0906-MS		X				X	X	X			
9/15/06	0855	PMAIM-0906-MS-F		X							X		
9/15/06	0900	PMAIM-0906-MSD		X				X	X	X			
9/15/06	0900	PMAIM-0906-MSD-F		X							X		
9/15/06	1115	PMAIS-0906-F		X							X		
9/15/06	1115	PMAIS-0906		X				X	X	X			
9/15/06		TBB-0906		X				X					

TEMP. 1.6, 1.8
0.6, 1.3

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Mary Moore	9/15/06	12:10		9/15/06	12:46			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	9/15/06	12:10		9/15/06	12:46			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
Brian Hubbard	9-16-06	0845	YES ( ) NO ( )		680-20272	

Appendix C

Quality Assurance Report

QUALITY ASSURANCE REPORT

Solutia Inc.
W.G. Krummrich Facility
Sauget, Illinois

PCB Mobility and Migration Investigation
3rd Quarter 2006 Data Report

Prepared for

Solutia Inc.
575 Maryville Centre Drive
St. Louis, MO 63141

January 2007

URS Corporation
1001 Highland Plaza Drive West, Suite 300
St. Louis, MO 63100
(314) 429-0100
Project # 21561640.00003

1.0 INTRODUCTION

This Quality Assurance Report presents the findings of a review of analytical data for groundwater samples collected in September 2006 at the Solutia W.G. Krummrich plant as part of the 3rd Quarter 2006 PCB Mobility and Migration Investigation. The samples were collected by URS Corporation personnel and analyzed by Severn Trent Laboratories (STL) located in Savannah, Georgia using USEPA methodologies. Samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs).

One hundred percent of the data were subjected to a data quality review (Level III validation). The Level III validation was performed in order to confirm that the analytical data provided by Severn Trent were acceptable in quality for their intended use.

A total of 13 samples (7 investigative groundwater samples, one field duplicate, one matrix spike and matrix spike duplicate (MS/MSD) pairs, one equipment blank and two trip blanks) were analyzed by STL. These samples were analyzed as Sample Delivery Group (SDG) KPM003. The samples were analyzed according to the following USEPA Methods:

- Method 8260B for VOCs (including dichlorobenzenes due to potential volatilization losses associated with Method 8270).
- Method 8270C for SVOCs
- Method 680 for PCBs

Samples were reviewed following procedures outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999, and the PCB Mobility and Migration Investigation, (October 2005).

The above guidelines provided the criteria to review the data. Additional quantitative criteria are given in the analytical methods. Qualifiers assigned by the data reviewer have been applied to the laboratory reporting forms (Form-1s). The qualifiers indicate data that did not meet acceptance criteria and corrective actions were not successful or not performed. The various qualifiers are explained in **Tables 1** and **2** below.

TABLE 1 Laboratory Data Qualifiers

Lab Qualifier	Definition
U	Analyte was not detected at or above the reporting limit.
*	LCS, LCSD, MS, MSD, MD or surrogate exceeds the control limits.
E	Result exceeded the calibration range, secondary dilution required.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
H	Sample was prepped or analyzed beyond the specified holding time.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

TABLE 2 URS Data Qualifiers

URS Qualifier	Definition
U	The analyte was analyzed for but was not detected.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Based on the criteria outlined, it is recommended that the results reported for these analyses be accepted for their intended use. Acceptable levels of accuracy, precision, and representativeness (based on MS/MSD, LCS, surrogate compounds and field duplicate results) were achieved for this data set, except where noted in this report. In addition, analytical completeness, defined to be the percentage of analytical results which are judged to be valid, including estimated detect (J) or estimated non-detect (UJ) values was 100 percent, which meets the completeness goal of 95 percent.

The data review included evaluation of the following criteria:

Organics

- Receipt condition and sample holding times
- Laboratory method blanks, field equipment blanks and trip blank samples
- Surrogate spike recoveries
- Laboratory control sample (LCS) recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) sample recoveries and Relative Percent Difference (RPD) values
- Field duplicate results
- Results reported from dilutions
- Internal standard responses

2.0 RECEIPT CONDITION AND SAMPLE HOLDING TIMES

Sample holding time requirements for the analyses performed are presented in the methods and/or in the data review guidelines. Review of the sample collection, extraction and analysis dates involved comparing the chain-of-custody and the laboratory data summary forms for accuracy, consistency, and holding time compliance.

Extractions and/or analyses were completed within the recommended holding time requirements for all samples.

3.0 TRIP BLANKS, LABORATORY METHOD BLANK AND EQUIPMENT BLANK SAMPLES

Trip blank samples are used to assess VOC cross contamination of samples during shipment to the laboratory. One trip blank was submitted with each cooler shipped containing samples for VOC analyses for a total of two trip blank samples. Analytes were not detected in the trip blanks.

Equipment blank samples are used to assess the effectiveness of equipment decontamination procedures. Benzene (1.0 µg/L) was detected in equipment blank PMA2A-0906-EB. Sample results for benzene were greater than 5X the equipment blank results; therefore no qualification of data was required.

Laboratory method blank samples evaluate the existence and magnitude of contamination problems resulting from laboratory activities. All laboratory method blank samples were analyzed at the method prescribed frequencies. No analytes were detected in any of the method blanks.

4.0 SURROGATE SPIKE RECOVERIES

Surrogate compounds are used to evaluate overall laboratory performance for sample preparation efficiency on a per sample basis. All samples analyzed for VOCs, SVOCs, and PCBs were spiked with surrogate compounds during sample preparation. USEPA National Functional Guidelines for Organic Data Review state how data is qualified, if surrogate spike recoveries do not meet evaluation criteria.

Surrogate recoveries were within evaluation criteria with the exception of the samples in the table below. When surrogates were not recovered due to dilutions, no qualifiers were assigned. Surrogates that were outside evaluation criteria in MS/MSD and equipment blank samples were not qualified because they are quality control samples and not qualified.

SDG	Sample ID(s)	Analysis	Surrogate	Rec. %	Range	Qualification
KPM003	PMA1M-0906 PMA3M-0906	SVOCs	2-fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	0 D 0 D 0 D	59-103 60-102 10-154	None, surrogates were not recovered due to high level of dilution in the samples.
KPM003	PMA2M-0906	SVOCs	2-fluorobiphenyl 2-fluorophenol Nitrobenzene-d5 Terphenyl-d14	0 D **54** 0 D 0 D	59-103 56-100 60-102 10-154	None, surrogates were not recovered due to high level of dilution in the sample, and only one acid fraction surrogate was outside evaluation criteria where two need to be outside evaluation criteria to qualify.

5.0 LABORATORY CONTROL SAMPLE RECOVERIES

Laboratory control samples (LCS) are analyzed with each analytical batch to assess the accuracy of the analytical process. All LCS recoveries were within evaluation criteria with the exception of the LCSs in the table below. Qualifications were assigned as appropriate.

Data that was reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Also if the LCS was related to QA/QC samples such as trip blanks and MS/MSDs, no qualifiers were assigned.

SDG	LSC ID	Sample ID	LCS compound	Rec. %	Range	Qualification
KPM003	680-55366/16-A	PMA1S-0906 PMA3M-0906 PMA2M-0906	Benzo[a]anthracene	**120**	55-119	None

6.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) SAMPLES

MS/MSD samples are analyzed to assess the accuracy and precision of the analytical process on an analytical sample in a particular matrix. MS/MSD samples were required to be collected at a frequency of one per 20 investigative samples in accordance with the work plan. URS Corporation submitted one MS/MSD sample set for 7 investigative samples meeting the work plan frequency requirement.

No qualifications were made to the data if the MS/MSD percent recoveries were zero due to dilutions or if the percent RPD was the only factor out of criteria. Also, USEPA National Functional Guidelines for Organic Data Review (October 1999) states that organic data should not be qualified based on MS/MSD criteria alone. Therefore, if recoveries were outside evaluation criteria due to matrix interference or abundance of analytes, no qualifiers were assigned unless these analytes had other quality control criteria outside evaluation criteria.

The MS/MSD recoveries and RPDs that did not meet evaluation criteria are in the table below.

SDG	Analysis	Analyte	MS/MSD %Rec.	Criteria %	RPD %	RPD Limit	Qualifier
KPM003	VOCs	Benzene	**126**/112	74-122	5	30	No qualifiers were assigned since all other QC parameters met criteria.
		Chlorobenzene	**131**/116	75-123	6	30	
		Dichlorodifluoromethane	**184/171**	70-130	8	30	
		1,1,1,2-tertachloroethane	**121/114**	62-107	6	30	
KPM003	SVOCs	Bis(2-chloroethoxy)methane	**135/130**	55-115	4	40	No qualifiers were assigned since all other QC parameters met criteria.
		4-chloroaniline	**112**/98	22-107	8	40	
		4-chloro-3-methylphenol	**508/492**	58-118	3	40	
		4,6-dinitro-2-methylphenol	**35/32**	42-155	8	40	
		2,6-dinitrotoluene	66/**64**	65-124	4	40	
		2-nitrophenol	**54/55**	59-114	1	40	

7.0 FIELD DUPLICATE RESULTS

Field duplicate results are used to evaluate precision of the entire data collection activity, including sampling, analysis and site heterogeneity. When results for both duplicate and sample values are greater than five times the practical quantitation limit (PQL), satisfactory precision is indicated by an RPD less than or equal to 25 percent for aqueous samples. Where one or both of the results of a field duplicate pair are reported at less than five times the PQL, satisfactory precision is indicated if the field duplicate results agree within 2.5 times the quantitation limit. Field duplicate results that do not meet these criteria may indicate unsatisfactory precision of the results.

One field duplicate sample was collected for the 7 investigative samples. This satisfies the requirement in the work plan (one per 10 investigative samples or 10 percent). All reported results for the field duplicate sample were in agreement with the above acceptance criteria.

8.0 INTERNAL STANDARD RESPONSES

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. IS areas must be within -50 percent to +100 percent for VOCs and SVOCs. For the PCBs (Method 680), the IS areas must be within +/- 30 percent of the preceding calibration verification (CV) IS value. Also, the IS retention times must be within 30 seconds of the preceding IS CV retention time. If the IS area count is outside criteria, Method 680 indicates the mean IS area obtained during the initial calibration (ICAL) (+/- 50 percent) should be used.

The internal standards area responses for the VOCs, SVOCs and PCBs were verified for the data review. All IS responses met the criteria as described above, in all samples.

9.0 RESULTS REPORTED FROM DILUTIONS

Several VOC, SVOC and PCB samples were diluted and reanalyzed due to the original results exceeding the calibration range of the instrument. These results were qualified by the laboratory with "E" qualifiers. Data for the original runs were reported except for the data results that were "E" qualified. The samples that had "E" qualifiers were diluted and reanalyzed. The diluted sample results of the "E" qualifiers were the only results reported from the diluted samples.

Appendix D

Groundwater Analytical Results

SDG KPM003

Results of Samples from Wells:

PMA3S
PMA1M
PMA1S
PMA3M
PMA2M
PMA2S

TO: Mr. Bob Billman, URS Corp.

FROM: Lidya Gulizia, STL Savannah
Wayne Robbins, STL Savannah

DATE: November 11, 2006

RE: Request for Data Verification in SDG No KPM003
Diallate Reported in STL Savannah Report No. 680-20272-1

The following is provided to URS Corp in response to the request made by Mr. Tony Sedlacek of URS Corp during data validation of Solutia PCB Mobility and Migration samples reported in STL Savannah Report No. 680-20272-1 under laboratory SDG No. KPM003.

Mr. Sedlacek requested STL Savannah to confirm the Diallate detections reported in lab samples 680-20272-10, -12 and -14 due to a discrepancy noted in the raw data deliverables concerning the manual integrations performed for Diallate in these samples.

Based on the following laboratory review, it was determined that Diallate was incorrectly reported in the samples as a false positive.

Mr. Wayne Robbins provided the following explanation for the generated error in the sample results:

The Appendix IX target compound Diallate was incorrectly reported for samples 680-20272-10, -12 and –14. In all of the samples, the analyst(s) correctly evaluated the samples and properly undetected both isomers in the sample data. As a point of information, Diallate is reported as the sum of two isomers referenced as Diallate-1 and Diallate-2 in the instrument data system and on the calibration report summaries (CLP Forms 6 and 7). The analytical system is calibrated by analyzing multiple-point calibration standards for both isomers and summing the isomers to reported as Diallate.

When the final results were uploaded to the laboratory's information management system (LIMS), false positive results for Diallate were transferred for these samples. The analyst and the data reviewer failed to detect this error and the results for the samples were reported as positive for Diallate.

The error appears to have been related to the instrument data system. While the root cause of the error could not determined, this error appears to have been isolated to Diallate in this particular analytical batch of samples.

The laboratory performed the following corrective action with respect to the reported sample data:

- The sample data were reviewed by the department manager and the group leader;
- The positive detects for Diallate were removed from the report and the results were edited revised to non-detect (below the reporting limit)

Finally, the semivolatile mass spectrometer department analysts have been notified of this potential problem and have been instructed to verify that the target compounds up-loaded as the sum of isomers must be verified in the LIMS even if the constituent isomers are not present in the samples.

A revised report and electronic data deliverable (EDD) were issued to URS Corp. on November 11, 2006.

Solutia Krummrich Data Review

Laboratory SDG: KPM003

Reviewer: Tony Sedlacek

Date Reviewed: 11/02/2006

Guidance: USEPA National Functional Guidelines for Organic Data Review 1999.

Applicable Work Plan: PCB Mobility and Migration Investigation 2005

Sample Identification #	Sample Identification #
PMA3S-0906	PMA3S-0906-F
PMA3S-0906-DUP	PMA3S-0906-F-DUP
PMA1M-0906	PMA1M-0906-F
PMA1S-0906-F	PMA1S-0906
TB8-0906	PMA3M-0906
PMA3M-0906-F	PMA2M-0906
PMA2M-0906-F	PMA2S-0906-EB
PMA2S-0906-EB-F	PMA2S-0906
PMA2S-0906-F	TB7-0906

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated VOC and SVOC MS/MSD recoveries were outside evaluation criteria. An SVOC surrogate and LCS recovery was outside evaluation criteria. PCB and SVOC internal standards recovered outside evaluation criteria. These issues are addressed further in the appropriate sections below.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
PMA2A-0906-EB	VOCs	Benzene	1.0	µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
N/A				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes, except as noted below.

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
680-55366/16-A	SVOCs	Benzo[a]anthracene	**120**	N/A	55-119

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes, except as noted below.

Field ID	Parameter	Surrogate	Recovery	Criteria
PMA2M-0906	SVOCs	2-fluorophenol	**54**	56-100

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Since only one acid fraction surrogate was outside criteria for sample PMA2M-0906 and Functional Guidelines indicates to qualify data if two or more surrogates per SVOC fraction are outside criteria, no qualification of the SVOC data was required. SVOC surrogates were not recovered due to dilution in samples PMA1M-0906, PMA3M-0906 and PMA2M-0906, no qualification of data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes, sample PMA1M-0906 was spiked and analyzed for VOCs, SVOCs and PCBs and PMA1M-0906-F was spiked and analyzed for PCBs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
PMA1M-0906	VOCs	Benzene	**126**/112	5	74-122/30
PMA1M-0906	VOCs	Chlorobenzene	**131**/116	6	75-123/30
PMA1M-0906	VOCs	Dichlorodifluoromethane	**184/171**	8	70-130/30
PMA1M-0906	VOCs	1,1,1,2-Tetrachloroethane	**121/114**	6	62-107/30
PMA1M-0906	SVOCs	bis(2-chloroethoxy)methane	**135/130**	4	55-115/40
PMA1M-0906	SVOCs	4-chloroaniline	**112**/98	8	22-107/40
PMA1M-0906	SVOCs	4-chloro-3-methylphenol	**508/492**	3	58-118/40
PMA1M-0906	SVOCs	4,6-dinitro-2-methylphenol	**35**/32	8	42-155/40
PMA1M-0906	SVOCs	2,6-dinitrotoluene	**66/64**	4	65-124/40
PMA1M-0906	SVOCs	2-nitrophenol	**54**/55	1	59-114/40

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for organic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes, except as noted below.

Field ID	Parameter	Analyte	IS Area Recovery	IS Criteria
PMA1M-0906	PCBs	Phenanthrene-d10	**188673**	195495-363061
PMA1M-0906	PCBs	Chrysene-d12	**76756**	96194-178646
PMA1M-0906-F	PCBs	Chrysene-d12	**81309**	96194-178646
PMA3S-0906-F	PCBs	Chrysene-d12	**76986**	82724-153630
PMA1S-0906-F	PCBs	Phenanthrene-d10	**169799**	179743-333807
PMA1S-0906-F	PCBs	Chrysene-d12	**67123**	82724-153630
PMA3M-0906-F	PCBs	Chrysene-d12	**81998**	82724-153630

Analytical data that required qualification based on IS data are included in the table below. SVOC internal standard naphthalene-d8 recovered low in MS/MSD sample PMA1M-0906. MS/MSD samples are quality control samples and are not qualified. Internal standard areas for phenanthrene-d_{10} and chrysene-d_{12} recovered within the initial calibration average internal standard area for samples PMA1M-0906, PMA1M-0906-F, PMA3S-0906-F, PMA1S-0906-F, PMA3M-0906-F; therefore, no qualification of data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
PMA3S-0906	PMA3S-0906-DUP
PMA3S-0906-F	PMA3S-0906-F-DUP

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
PMA1M-0906	VOCs	25
PMA3M-0906	VOCs	10
PMA2M-0906	VOCs	50
PMA1M-0906	SVOCs	5
PMA3M-0906	SVOCs	5
PMA2M-0906	SVOCs	5

12.0 Additional Qualifications

Were additional qualifications applied?

No

SAMPLE RESULTS

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1542
Date Prepared: 09/21/2006 1542

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0914.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	290	E	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.8		1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA3S-0906

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1542
Date Prepared: 09/21/2006 1542

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0914.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	94	75 - 123
Toluene-d8 (Surr)	98	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 09/21/2006 1848
Date Prepared: 09/21/2006 1848

Analysis Batch: 680-55512
Run Type: DL

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0921.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	130	U	130
Acetonitrile	200	U	200
Acrolein	100	U	100
Acrylonitrile	100	U	100
Benzene	230	D	5.0
Bromoform	5.0	U	5.0
Bromomethane	5.0	U	5.0
Carbon disulfide	10	U	10
Carbon tetrachloride	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
2-Chloro-1,3-butadiene	5.0	U	5.0
Chlorodibromomethane	5.0	U	5.0
Chloroethane	5.0	U	5.0
Chloroform	5.0	U	5.0
Chloromethane	5.0	U	5.0
3-Chloro-1-propene	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	5.0
Dibromomethane	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	5.0
Dichlorobromomethane	5.0	U	5.0
Dichlorodifluoromethane	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
1,1-Dichloroethene	5.0	U	5.0
1,2-Dichloropropane	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
Ethylene Dibromide	5.0	U	5.0
Ethyl methacrylate	5.0	U	5.0
2-Hexanone	50	U	50
Iodomethane	25	U	25
Isobutanol	200	U	200
Methacrylonitrile	100	U	100
Methylene Chloride	25	U	25
Methyl Ethyl Ketone	50	U	50
methyl isobutyl ketone	50	U	50
Methyl methacrylate	5.0	U	5.0
Pentachloroethane	25	U	25
Propionitrile	100	U	100
Styrene	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	5.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA3S-0906

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 09/21/2006 1848
Date Prepared: 09/21/2006 1848

Analysis Batch: 680-55512
Run Type: DL

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0921.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	5.0	U	5.0
Tetrachloroethene	5.0	U	5.0
Toluene	5.0	U	5.0
trans-1,4-Dichloro-2-butene	10	U	10
trans-1,2-Dichloroethene	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
1,1,1-Trichloroethane	5.0	U	5.0
Trichloroethene	5.0	U	5.0
Trichlorofluoromethane	5.0	U	5.0
1,2,3-Trichloropropane	5.0	U	5.0
Vinyl acetate	10	U	10
Vinyl chloride	5.0	U	5.0
Xylenes, Total	10	U	10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	95	75 - 123
Toluene-d8 (Surr)	96	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1608
Date Prepared: 09/21/2006 1608

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0915.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	260	E	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.5		1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1608
Date Prepared: 09/21/2006 1608

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0915.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	77 - 120
Dibromofluoromethane	96	75 - 123
Toluene-d8 (Surr)	100	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 09/22/2006 1459
Date Prepared: 09/22/2006 1459

Analysis Batch: 680-55616
Run Type: DL

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0938.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	130	U	130
Acetonitrile	200	U	200
Acrolein	100	U	100
Acrylonitrile	100	U	100
Benzene	250	D	5.0
Bromoform	5.0	U	5.0
Bromomethane	5.0	U	5.0
Carbon disulfide	10	U	10
Carbon tetrachloride	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
2-Chloro-1,3-butadiene	5.0	U	5.0
Chlorodibromomethane	5.0	U	5.0
Chloroethane	5.0	U	5.0
Chloroform	5.0	U	5.0
Chloromethane	5.0	U	5.0
3-Chloro-1-propene	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	5.0
Dibromomethane	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	5.0
Dichlorobromomethane	5.0	U	5.0
Dichlorodifluoromethane	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
1,1-Dichloroethene	5.0	U	5.0
1,2-Dichloropropane	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
Ethylene Dibromide	5.0	U	5.0
Ethyl methacrylate	5.0	U	5.0
2-Hexanone	50	U	50
Iodomethane	25	U	25
Isobutanol	200	U	200
Methacrylonitrile	100	U	100
Methylene Chloride	25	U	25
Methyl Ethyl Ketone	50	U	50
methyl isobutyl ketone	50	U	50
Methyl methacrylate	5.0	U	5.0
Pentachloroethane	25	U	25
Propionitrile	100	U	100
Styrene	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	5.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 09/22/2006 1459
Date Prepared: 09/22/2006 1459

Analysis Batch: 680-55616
Run Type: DL

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0938.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	5.0	U	5.0
Tetrachloroethene	5.0	U	5.0
Toluene	5.0	U	5.0
trans-1,4-Dichloro-2-butene	10	U	10
trans-1,2-Dichloroethene	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
1,1,1-Trichloroethane	5.0	U	5.0
Trichloroethene	5.0	U	5.0
Trichlorofluoromethane	5.0	U	5.0
1,2,3-Trichloropropane	5.0	U	5.0
Vinyl acetate	10	U	10
Vinyl chloride	5.0	U	5.0
Xylenes, Total	10	U	10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	100	77 - 120
Dibromofluoromethane	97	75 - 123
Toluene-d8 (Surr)	98	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 25
Date Analyzed: 09/21/2006 1356
Date Prepared: 09/21/2006 1356

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0910.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	630	U	630
Acetonitrile	1000	U	1000
Acrolein	500	U	500
Acrylonitrile	500	U	500
Benzene	1900		25
Bromoform	25	U	25
Bromomethane	25	U	25
Carbon disulfide	50	U	50
Carbon tetrachloride	25	U	25
Chlorobenzene	1400		25
2-Chloro-1,3-butadiene	25	U	25
Chlorodibromomethane	25	U	25
Chloroethane	25	U	25
Chloroform	25	U	25
Chloromethane	25	U	25
3-Chloro-1-propene	25	U	25
cis-1,3-Dichloropropene	25	U	25
1,2-Dibromo-3-Chloropropane	25	U	25
Dibromomethane	25	U	25
1,2-Dichlorobenzene	25	U	25
1,3-Dichlorobenzene	25	U	25
1,4-Dichlorobenzene	25	U	25
Dichlorobromomethane	25	U	25
Dichlorodifluoromethane	25	U	25
1,2-Dichloroethane	25	U	25
1,1-Dichloroethane	25	U	25
1,1-Dichloroethene	25	U	25
1,2-Dichloropropane	25	U	25
Ethylbenzene	25	U	25
Ethylene Dibromide	25	U	25
Ethyl methacrylate	25	U	25
2-Hexanone	250	U	250
Iodomethane	130	U	130
Isobutanol	1000	U	1000
Methacrylonitrile	500	U	500
Methylene Chloride	130	U	130
Methyl Ethyl Ketone	250	U	250
methyl isobutyl ketone	250	U	250
Methyl methacrylate	25	U	25
Pentachloroethane	130	U	130
Propionitrile	500	U	500
Styrene	25	U	25
1,1,2,2-Tetrachloroethane	25	U	25

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 25
Date Analyzed: 09/21/2006 1356
Date Prepared: 09/21/2006 1356

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0910.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	25	U	25
Tetrachloroethene	25	U	25
Toluene	25	U	25
trans-1,4-Dichloro-2-butene	50	U	50
trans-1,2-Dichloroethene	25	U	25
trans-1,3-Dichloropropene	25	U	25
1,1,2-Trichloroethane	25	U	25
1,1,1-Trichloroethane	25	U	25
Trichloroethene	25	U	25
Trichlorofluoromethane	25	U	25
1,2,3-Trichloropropane	25	U	25
Vinyl acetate	50	U	50
Vinyl chloride	25	U	25
Xylenes, Total	50	U	50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	77 - 120
Dibromofluoromethane	97	75 - 123
Toluene-d8 (Surr)	97	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA1S-0906

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1635
Date Prepared: 09/21/2006 1635

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0916.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	12		1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	2.2		1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1S-0906**

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1635
Date Prepared: 09/21/2006 1635

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0916.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	77 - 120
Dibromofluoromethane	95	75 - 123
Toluene-d8 (Surr)	97	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: TBB-0906

Lab Sample ID: 680-20272-11TB
Client Matrix: Water

Date Sampled: 09/15/2006 0000
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1701
Date Prepared: 09/21/2006 1701

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0917.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	1.0	U	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.0	U	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **TBB-0906**

Lab Sample ID: 680-20272-11TB
Client Matrix: Water

Date Sampled: 09/15/2006 0000
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1701
Date Prepared: 09/21/2006 1701

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0917.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
/inyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	77 - 120
Dibromofluoromethane	97	75 - 123
Toluene-d8 (Surr)	97	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 09/21/2006 1914
Date Prepared: 09/21/2006 1914

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0922.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	250	U	250
Acetonitrile	400	U	400
Acrolein	200	U	200
Acrylonitrile	200	U	200
Benzene	1500		10
Bromoform	10	U	10
Bromomethane	10	U	10
Carbon disulfide	20	U	20
Carbon tetrachloride	10	U	10
Chlorobenzene	1300		10
2-Chloro-1,3-butadiene	10	U	10
Chlorodibromomethane	10	U	10
Chloroethane	10	U	10
Chloroform	10	U	10
Chloromethane	10	U	10
3-Chloro-1-propene	10	U	10
cis-1,3-Dichloropropene	10	U	10
1,2-Dibromo-3-Chloropropane	10	U	10
Dibromomethane	10	U	10
1,3-Dichlorobenzene	50		10
1,4-Dichlorobenzene	600		10
1,2-Dichlorobenzene	110		10
Dichlorobromomethane	10	U	10
Dichlorodifluoromethane	10	U	10
1,2-Dichloroethane	10	U	10
1,1-Dichloroethane	10	U	10
1,1-Dichloroethene	10	U	10
1,2-Dichloropropane	10	U	10
Ethylbenzene	92		10
Ethylene Dibromide	10	U	10
Ethyl methacrylate	10	U	10
2-Hexanone	100	U	100
Iodomethane	50	U	50
Isobutanol	400	U	400
Methacrylonitrile	200	U	200
Methylene Chloride	50	U	50
Methyl Ethyl Ketone	100	U	100
methyl isobutyl ketone	100	U	100
Methyl methacrylate	10	U	10
Pentachloroethane	50	U	50
Propionitrile	200	U	200
Styrene	10	U	10
1,1,2,2-Tetrachloroethane	10	U	10

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 09/21/2006 1914
Date Prepared: 09/21/2006 1914

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0922.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	10	U	10
Tetrachloroethene	10	U	10
Toluene	16		10
trans-1,4-Dichloro-2-butene	20	U	20
trans-1,2-Dichloroethene	10	U	10
trans-1,3-Dichloropropene	10	U	10
1,1,2-Trichloroethane	10	U	10
1,1,1-Trichloroethane	10	U	10
Trichloroethene	10	U	10
Trichlorofluoromethane	10	U	10
1,2,3-Trichloropropane	10	U	10
Vinyl acetate	20	U	20
Vinyl chloride	10	U	10
Xylenes, Total	280		20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	95	75 - 123
Toluene-d8 (Surr)	99	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 09/21/2006 1515
Date Prepared: 09/21/2006 1515

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0913.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	1300	U	1300
Acetonitrile	2000	U	2000
Acrolein	1000	U	1000
Acrylonitrile	1000	U	1000
Benzene	4800		50
Bromoform	50	U	50
Bromomethane	50	U	50
Carbon disulfide	100	U	100
Carbon tetrachloride	50	U	50
Chlorobenzene	7300		50
2-Chloro-1,3-butadiene	50	U	50
Chlorodibromomethane	50	U	50
Chloroethane	50	U	50
Chloroform	50	U	50
Chloromethane	50	U	50
3-Chloro-1-propene	50	U	50
cis-1,3-Dichloropropene	50	U	50
1,2-Dibromo-3-Chloropropane	50	U	50
Dibromomethane	50	U	50
1,2-Dichlorobenzene	50	U	50
1,3-Dichlorobenzene	50	U	50
1,4-Dichlorobenzene	50	U	50
Dichlorobromomethane	50	U	50
Dichlorodifluoromethane	50	U	50
1,2-Dichloroethane	50	U	50
1,1-Dichloroethane	50	U	50
1,1-Dichloroethene	50	U	50
1,2-Dichloropropane	50	U	50
Ethylbenzene	50	U	50
Ethylene Dibromide	50	U	50
Ethyl methacrylate	50	U	50
2-Hexanone	500	U	500
Iodomethane	250	U	250
Isobutanol	2000	U	2000
Methacrylonitrile	1000	U	1000
Methylene Chloride	250	U	250
Methyl Ethyl Ketone	500	U	500
methyl isobutyl ketone	500	U	500
Methyl methacrylate	50	U	50
Pentachloroethane	250	U	250
Propionitrile	1000	U	1000
Styrene	50	U	50
1,1,2,2-Tetrachloroethane	50	U	50

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 09/21/2006 1515
Date Prepared: 09/21/2006 1515

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0913.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	50	U	50
Tetrachloroethene	50	U	50
Toluene	50	U	50
trans-1,4-Dichloro-2-butene	100	U	100
trans-1,2-Dichloroethene	50	U	50
trans-1,3-Dichloropropene	50	U	50
1,1,2-Trichloroethane	50	U	50
1,1,1-Trichloroethane	50	U	50
Trichloroethene	50	U	50
Trichlorofluoromethane	50	U	50
1,2,3-Trichloropropane	50	U	50
Vinyl acetate	100	U	100
Vinyl chloride	50	U	50
Xylenes, Total	100	U	100

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	98	77 - 120
Dibromofluoromethane	97	75 - 123
Toluene-d8 (Surr)	99	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA2S-0906-EB

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1728
Date Prepared: 09/21/2006 1728

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0918.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	1.0		1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.0	U	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB**

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1728
Date Prepared: 09/21/2006 1728

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0918.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	77 - 120
Dibromofluoromethane	92	75 - 123
Toluene-d8 (Surr)	96	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1821
Date Prepared: 09/21/2006 1821

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0920.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	16		1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.1		1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.1		1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1821
Date Prepared: 09/21/2006 1821

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0920.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	99	77 - 120
Dibromofluoromethane	95	75 - 123
Toluene-d8 (Surr)	96	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **TB7-0906**

Lab Sample ID: 680-20272-20TB
Client Matrix: Water

Date Sampled: 09/14/2006 0000
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1755
Date Prepared: 09/21/2006 1755

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0919.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	1.0	U	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.0	U	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutanol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
Methyl Ethyl Ketone	10	U	10
methyl isobutyl ketone	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **TB7-0906**

Lab Sample ID: 680-20272-20TB
Client Matrix: Water

Date Sampled: 09/14/2006 0000
Date Received: 09/16/2006 0845

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/21/2006 1755
Date Prepared: 09/21/2006 1755

Analysis Batch: 680-55512

Instrument ID: GC/MS Volatiles - O
Lab File ID: o0919.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	1.0	U	1.0
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	77 - 120
Dibromofluoromethane	97	75 - 123
Toluene-d8 (Surr)	97	79 - 122

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/22/2006 1400
Date Prepared: 09/21/2006 1006

Analysis Batch: 680-56387
Prep Batch: 680-55503

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 0.5 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.25		0.10
Dichlorobiphenyl	0.10	U	0.10
Trichlorobiphenyl	0.10	U	0.10
Tetrachlorobiphenyl	0.20	U	0.20
Pentachlorobiphenyl	0.20	U	0.20
Hexachlorobiphenyl	0.20	U	0.20
Heptachlorobiphenyl	0.30	U	0.30
Octachlorobiphenyl	0.30	U	0.30
Nonachlorobiphenyl	0.50	U	0.50
DCB Decachlorobiphenyl	0.50	U	0.50

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	70	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-F**

Lab Sample ID: 680-20272-4
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1054
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	69	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1127
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.32		0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	68	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-F-DUP**

Lab Sample ID: 680-20272-6
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1201
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.096	U	0.096
Dichlorobiphenyl	0.096	U	0.096
Trichlorobiphenyl	0.096	U	0.096
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.48	U	0.48
DCB Decachlorobiphenyl	0.48	U	0.48

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	68	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/25/2006 1424
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.24		0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	63	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906-F**

Lab Sample ID: 680-20272-8
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/25/2006 1459
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	67	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA1S-0906-F

Lab Sample ID: 680-20272-9
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1235
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.096	U	0.096
Dichlorobiphenyl	0.096	U	0.096
Trichlorobiphenyl	0.096	U	0.096
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.48	U	0.48
DCB Decachlorobiphenyl	0.48	U	0.48

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	77	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA1S-0906

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1309
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.096	U	0.096
Dichlorobiphenyl	0.096	U	0.096
Trichlorobiphenyl	0.096	U	0.096
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.48	U	0.48
DCB Decachlorobiphenyl	0.48	U	0.48

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	59	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1344
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	1.8		0.094
Dichlorobiphenyl	0.14		0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	52	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA3M-0906-F

Lab Sample ID: 680-20272-13
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1418
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 980 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.10	U	0.10
Dichlorobiphenyl	0.10	U	0.10
Trichlorobiphenyl	0.10	U	0.10
Tetrachlorobiphenyl	0.20	U	0.20
Pentachlorobiphenyl	0.20	U	0.20
Hexachlorobiphenyl	0.20	U	0.20
Heptachlorobiphenyl	0.31	U	0.31
Octachlorobiphenyl	0.31	U	0.31
Nonachlorobiphenyl	0.51	U	0.51
DCB Decachlorobiphenyl	0.51	U	0.51

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	63	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1452
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	2.4		0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	55	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906-F**

Lab Sample ID: 680-20272-15
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1525
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.096	U	0.096
Dichlorobiphenyl	0.096	U	0.096
Trichlorobiphenyl	0.096	U	0.096
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.48	U	0.48
DCB Decachlorobiphenyl	0.48	U	0.48

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	59	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB**

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1559
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	73	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB-F**

Lab Sample ID: 680-20272-17
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1634
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.096	U	0.096
Dichlorobiphenyl	0.096	U	0.096
Trichlorobiphenyl	0.096	U	0.096
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.48	U	0.48
DCB Decachlorobiphenyl	0.48	U	0.48

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	63	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1708
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.096	U	0.096
Dichlorobiphenyl	0.096	U	0.096
Trichlorobiphenyl	0.096	U	0.096
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.48	U	0.48
DCB Decachlorobiphenyl	0.48	U	0.48

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	63	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA2S-0906-F

Lab Sample ID: 680-20272-19
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680_P_Liquid
Dilution: 1.0
Date Analyzed: 09/26/2006 1742
Date Prepared: 09/20/2006 0851

Analysis Batch: 680-56007
Prep Batch: 680-55368

Instrument ID: GC/MS SemiVolatiles - F
Lab File ID: N/A
Initial Weight/Volume: 1020 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.098	U	0.098
Dichlorobiphenyl	0.098	U	0.098
Trichlorobiphenyl	0.098	U	0.098
Tetrachlorobiphenyl	0.20	U	0.20
Pentachlorobiphenyl	0.20	U	0.20
Hexachlorobiphenyl	0.20	U	0.20
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	64	44 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2305
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5675.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U *	9.4
Benzo[a]pyrene	9.4	U	9.4
enzo[b]fluoranthene	9.4	U	9.4
enzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
imethyl phthalate	9.4	U	9.4
n-butyl phthalate	9.4	U	9.4
,3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2305
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5675.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	47	U	47
2,6-Dinitrotoluene	9.4	U	9.4
2,4-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
3-Nitroaniline	47	U	47
2-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
4-Nitrophenol	47	U	47
2-Nitrophenol	9.4	U	9.4
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2305
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5675.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o''-Triethylphosphorothioate	9.4	U	9.4
Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
henacetin	9.4	U	9.4
henanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	9.4	U	9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
1-Chloro-4-nitrobenzene	9.4	U	9.4
1-Chloro-2-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	9.4	U	9.4
4-Nitrobiphenyl	9.4	U	9.4

Surrogate	%Rec	Acceptance Limits
Fluorobiphenyl	76	59 - 103
-Fluorophenol	71	56 - 100
Nitrobenzene-d5	80	60 - 102
Phenol-d5	78	55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906**

Lab Sample ID: 680-20272-3
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2305
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5675.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec	Acceptance Limits
Terphenyl-d14	102	10 - 154
2,4,6-Tribromophenol	85	55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2335
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5676.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.6	U	9.6
Acenaphthylene	9.6	U	9.6
Acetophenone	9.6	U	9.6
2-Acetylaminofluorene	9.6	U	9.6
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.6	U	9.6
Aniline	19	U	19
Anthracene	9.6	U	9.6
Aramite, Total	9.6	U	9.6
Benzo[a]anthracene	9.6	U *	9.6
Benzo[a]pyrene	9.6	U	9.6
enzo[b]fluoranthene	9.6	U	9.6
Benzo[g,h,i]perylene	9.6	U	9.6
Benzo[k]fluoranthene	9.6	U	9.6
Benzyl alcohol	9.6	U	9.6
1,1'-Biphenyl	9.6	U	9.6
Bis(2-chloroethoxy)methane	9.6	U	9.6
Bis(2-chloroethyl)ether	9.6	U	9.6
bis(chloroisopropyl) ether	9.6	U	9.6
Bis(2-ethylhexyl) phthalate	9.6	U	9.6
4-Bromophenyl phenyl ether	9.6	U	9.6
Butyl benzyl phthalate	9.6	U	9.6
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.6	U	9.6
2-Chloronaphthalene	9.6	U	9.6
2-Chlorophenol	9.6	U	9.6
4-Chlorophenyl phenyl ether	9.6	U	9.6
Chrysene	9.6	U	9.6
Diallate	9.6	U	9.6
Dibenz(a,h)anthracene	9.6	U	9.6
Dibenzofuran	9.6	U	9.6
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.6	U	9.6
2,6-Dichlorophenol	9.6	U	9.6
Diethyl phthalate	9.6	U	9.6
Dimethoate	9.6	U	9.6
7,12-Dimethylbenz(a)anthracene	9.6	U	9.6
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.6	U	9.6
imethyl phthalate	9.6	U	9.6
-n-butyl phthalate	9.6	U	9.6
1,3-Dinitrobenzene	9.6	U	9.6
4,6-Dinitro-2-methylphenol	48	U	48

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2335
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5676.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	48	U	48
2,6-Dinitrotoluene	9.6	U	9.6
2,4-Dinitrotoluene	9.6	U	9.6
Di-n-octyl phthalate	9.6	U	9.6
Dinoseb	9.6	U	9.6
1,4-Dioxane	9.6	U	9.6
Disulfoton	9.6	U	9.6
Ethyl methanesulfonate	9.6	U	9.6
Famphur	9.6	U	9.6
Fluoranthene	9.6	U	9.6
Fluorene	9.6	U	9.6
Hexachlorobenzene	9.6	U	9.6
Hexachlorobutadiene	9.6	U	9.6
Hexachlorocyclopentadiene	9.6	U	9.6
Hexachloroethane	9.6	U	9.6
Hexachlorophene	4800	U	4800
Hexachloropropene	9.6	U	9.6
Indeno[1,2,3-cd]pyrene	9.6	U	9.6
Isophorone	9.6	U	9.6
Isosafrole	9.6	U	9.6
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.6	U	9.6
Methyl methanesulfonate	9.6	U	9.6
2-Methylnaphthalene	9.6	U	9.6
Methyl parathion	9.6	U	9.6
2-Methylphenol	9.6	U	9.6
3 & 4 Methylphenol	9.6	U	9.6
Naphthalene	9.6	U	9.6
1,4-Naphthoquinone	9.6	U	9.6
1-Naphthylamine	9.6	U	9.6
2-Naphthylamine	9.6	U	9.6
3-Nitroaniline	48	U	48
2-Nitroaniline	48	U	48
4-Nitroaniline	48	U	48
Nitrobenzene	9.6	U	9.6
4-Nitrophenol	48	U	48
2-Nitrophenol	9.6	U	9.6
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.6	U	9.6
N-Nitrosodiethylamine	9.6	U	9.6
N-Nitrosodimethylamine	9.6	U	9.6
N-Nitrosodi-n-butylamine	9.6	U	9.6
N-Nitrosodi-n-propylamine	9.6	U	9.6

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2335
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5676.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	9.6	U	9.6
N-Nitrosomethylethylamine	9.6	U	9.6
N-Nitrosomorpholine	9.6	U	9.6
N-Nitrosopiperidine	9.6	U	9.6
N-Nitrosopyrrolidine	9.6	U	9.6
o,o',o"-Triethylphosphorothioate	9.6	U	9.6
Parathion	9.6	U	9.6
p-Dimethylamino azobenzene	9.6	U	9.6
Pentachlorobenzene	9.6	U	9.6
Pentachloronitrobenzene	9.6	U	9.6
Pentachlorophenol	48	U	48
'henacetin	9.6	U	9.6
?henanthrene	9.6	U	9.6
Phenol	9.6	U	9.6
Phorate	9.6	U	9.6
2-Picoline	9.6	U	9.6
p-Phenylene diamine	1900	U	1900
Pronamide	9.6	U	9.6
Pyrene	9.6	U	9.6
Pyridine	48	U	48
Safrole, Total	9.6	U	9.6
Sulfotepp	9.6	U	9.6
1,2,4,5-Tetrachlorobenzene	9.6	U	9.6
2,3,4,6-Tetrachlorophenol	9.6	U	9.6
Thionazin	9.6	U	9.6
2-Toluidine	9.6	U	9.6
1,2,4-Trichlorobenzene	9.6	U	9.6
2,4,5-Trichlorophenol	9.6	U	9.6
2,4,6-Trichlorophenol	9.6	U	9.6
1,3,5-Trinitrobenzene	9.6	U	9.6
1-Chloro-3-nitrobenzene	9.6	U	9.6
1-Chloro-4-nitrobenzene	9.6	U	9.6
1-Chloro-2-nitrobenzene	9.6	U	9.6
2-Nitrobiphenyl	9.6	U	9.6
2,4-Dichloronitrobenzene	9.6	U	9.6
3-Nitrobiphenyl	9.6	U	9.6
3,4-Dichloronitrobenzene	9.6	U	9.6
4-Nitrobiphenyl	9.6	U	9.6

Surrogate	%Rec	Acceptance Limits
-Fluorobiphenyl	84	59 - 103
.-Fluorophenol	79	56 - 100
Nitrobenzene-d5	87	60 - 102
Phenol-d5	86	55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3S-0906-DUP**

Lab Sample ID: 680-20272-5
Client Matrix: Water

Date Sampled: 09/13/2006 1520
Date Received: 09/15/2006 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/29/2006 2335
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5676.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec	Acceptance Limits
Terphenyl-d14	104	10 - 154
2,4,6-Tribromophenol	93	55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 09/30/2006 0004
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5677.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	47	U	47
Acenaphthylene	47	U	47
Acetophenone	47	U	47
2-Acetylaminofluorene	47	U	47
alpha,alpha-Dimethyl phenethylamine	9400	U	9400
4-Aminobiphenyl	47	U	47
Aniline	94	U	94
Anthracene	47	U	47
Aramite, Total	47	U	47
Benzo[a]anthracene	47	U *	47
Benzo[a]pyrene	47	U	47
`enzo[b]fluoranthene	47	U	47
ɜenzo[g,h,i]perylene	47	U	47
Benzo[k]fluoranthene	47	U	47
Benzyl alcohol	47	U	47
1,1'-Biphenyl	47	U	47
Bis(2-chloroethoxy)methane	47	U	47
Bis(2-chloroethyl)ether	47	U	47
bis(chloroisopropyl) ether	47	U	47
Bis(2-ethylhexyl) phthalate	47	U	47
4-Bromophenyl phenyl ether	47	U	47
Butyl benzyl phthalate	47	U	47
4-Chloroaniline	94	U	94
4-Chloro-3-methylphenol	47	U	47
2-Chloronaphthalene	47	U	47
2-Chlorophenol	47	U	47
4-Chlorophenyl phenyl ether	47	U	47
Chrysene	47	U	47
Diallate	47	U	47
Dibenz(a,h)anthracene	47	U	47
Dibenzofuran	47	U	47
3,3'-Dichlorobenzidine	94	U	94
2,4-Dichlorophenol	47	U	47
2,6-Dichlorophenol	47	U	47
Diethyl phthalate	47	U	47
Dimethoate	47	U	47
7,12-Dimethylbenz(a)anthracene	47	U	47
3,3'-Dimethylbenzidine	94	U	94
2,4-Dimethylphenol	47	U	47
Dimethyl phthalate	47	U	47
n-butyl phthalate	47	U	47
,,3-Dinitrobenzene	47	U	47
4,6-Dinitro-2-methylphenol	240	U	240

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 09/30/2006 0004
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5677.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	240	U	240
2,6-Dinitrotoluene	47	U	47
2,4-Dinitrotoluene	47	U	47
Di-n-octyl phthalate	47	U	47
Dinoseb	47	U	47
1,4-Dioxane	47	U	47
Disulfoton	47	U	47
Ethyl methanesulfonate	47	U	47
Famphur	47	U	47
Fluoranthene	47	U	47
Fluorene	47	U	47
Hexachlorobenzene	47	U	47
Hexachlorobutadiene	47	U	47
Hexachlorocyclopentadiene	47	U	47
Hexachloroethane	47	U	47
Hexachlorophene	24000	U	24000
Hexachloropropene	47	U	47
Indeno[1,2,3-cd]pyrene	47	U	47
Isophorone	47	U	47
Isosafrole	47	U	47
Methapyrilene	9400	U	9400
3-Methylcholanthrene	47	U	47
Methyl methanesulfonate	47	U	47
2-Methylnaphthalene	47	U	47
Methyl parathion	47	U	47
2-Methylphenol	47	U	47
3 & 4 Methylphenol	47	U	47
Naphthalene	47	U	47
1,4-Naphthoquinone	47	U	47
1-Naphthylamine	47	U	47
2-Naphthylamine	47	U	47
3-Nitroaniline	240	U	240
2-Nitroaniline	240	U	240
4-Nitroaniline	240	U	240
Nitrobenzene	47	U	47
4-Nitrophenol	240	U	240
2-Nitrophenol	47	U	47
4-Nitroquinoline-1-oxide	94	U	94
N-Nitro-o-toluidine	47	U	47
N-Nitrosodiethylamine	47	U	47
N-Nitrosodimethylamine	47	U	47
N-Nitrosodi-n-butylamine	47	U	47
N-Nitrosodi-n-propylamine	47	U	47

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 09/30/2006 0004
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5677.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	47	U	47
N-Nitrosomethylethylamine	47	U	47
N-Nitrosomorpholine	47	U	47
N-Nitrosopiperidine	47	U	47
N-Nitrosopyrrolidine	47	U	47
o,o',o"-Triethylphosphorothioate	47	U	47
Parathion	47	U	47
p-Dimethylamino azobenzene	47	U	47
Pentachlorobenzene	47	U	47
Pentachloronitrobenzene	47	U	47
Pentachlorophenol	240	U	240
'henacetin	47	U	47
Phenanthrene	47	U	47
Phenol	47	U	47
Phorate	47	U	47
2-Picoline	47	U	47
p-Phenylene diamine	9400	U	9400
Pronamide	47	U	47
Pyrene	47	U	47
Pyridine	240	U	240
Safrole, Total	47	U	47
Sulfotepp	47	U	47
1,2,4,5-Tetrachlorobenzene	47	U	47
2,3,4,6-Tetrachlorophenol	47	U	47
Thionazin	47	U	47
2-Toluidine	47	U	47
1,2,4-Trichlorobenzene	47	U	47
2,4,5-Trichlorophenol	47	U	47
2,4,6-Trichlorophenol	47	U	47
1,3,5-Trinitrobenzene	47	U	47
1-Chloro-3-nitrobenzene	47	U	47
1-Chloro-4-nitrobenzene	47	U	47
1-Chloro-2-nitrobenzene	47	U	47
2-Nitrobiphenyl	47	U	47
2,4-Dichloronitrobenzene	47	U	47
3-Nitrobiphenyl	47	U	47
3,4-Dichloronitrobenzene	47	U	47
4-Nitrobiphenyl	47	U	47

Surrogate	%Rec		Acceptance Limits
Fluorobiphenyl	0	D	59 - 103
2-Fluorophenol	59		56 - 100
Nitrobenzene-d5	0	D	60 - 102
Phenol-d5	63		55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1M-0906**

Lab Sample ID: 680-20272-7
Client Matrix: Water

Date Sampled: 09/15/2006 0850
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 09/30/2006 0004
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5677.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec		Acceptance Limits
Terphenyl-d14	0	D	10 - 154
2,4,6-Tribromophenol	57		55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1S-0906**

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 10/05/2006 1045
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6799.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U *	9.4
Benzo[a]pyrene	9.4	U	9.4
Benzo[b]fluoranthene	9.4	U	9.4
Benzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
Dimethyl phthalate	9.4	U	9.4
n-butyl phthalate	9.4	U	9.4
3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1S-0906**

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 10/05/2006 1045
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6799.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	47	U	47
2,6-Dinitrotoluene	9.4	U	9.4
2,4-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
3-Nitroaniline	47	U	47
2-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
4-Nitrophenol	47	U	47
2-Nitrophenol	9.4	U	9.4
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA1S-0906**

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 10/05/2006 1045
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6799.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o"-Triethylphosphorothioate	9.4	U	9.4
Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
henacetin	9.4	U	9.4
henanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	9.4	U	9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
1-Chloro-4-nitrobenzene	9.4	U	9.4
1-Chloro-2-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	9.4	U	9.4
4-Nitrobiphenyl	9.4	U	9.4

Surrogate	%Rec	Acceptance Limits
luorobiphenyl	87	59 - 103
-Fluorophenol	86	56 - 100
Nitrobenzene-d5	95	60 - 102
Phenol-d5	91	55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: PMA1S-0906

Lab Sample ID: 680-20272-10
Client Matrix: Water

Date Sampled: 09/15/2006 1115
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 10/05/2006 1045
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6799.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec	Acceptance Limits
Terphenyl-d14	105	10 - 154
2,4,6-Tribromophenol	91	55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1113
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6800.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	47	U	47
Acenaphthylene	47	U	47
Acetophenone	47	U	47
2-Acetylaminofluorene	47	U	47
alpha,alpha-Dimethyl phenethylamine	9400	U	9400
4-Aminobiphenyl	47	U	47
Aniline	94	U	94
Anthracene	47	U	47
Aramite, Total	47	U	47
Benzo[a]anthracene	47	U *	47
Benzo[a]pyrene	47	U	47
Benzo[b]fluoranthene	47	U	47
Benzo[g,h,i]perylene	47	U	47
Benzo[k]fluoranthene	47	U	47
Benzyl alcohol	47	U	47
1,1'-Biphenyl	47	U	47
Bis(2-chloroethoxy)methane	47	U	47
Bis(2-chloroethyl)ether	47	U	47
bis(chloroisopropyl) ether	47	U	47
Bis(2-ethylhexyl) phthalate	47	U	47
4-Bromophenyl phenyl ether	47	U	47
Butyl benzyl phthalate	47	U	47
4-Chloroaniline	94	U	94
4-Chloro-3-methylphenol	47	U	47
2-Chloronaphthalene	47	U	47
2-Chlorophenol	47	U	47
4-Chlorophenyl phenyl ether	47	U	47
Chrysene	47	U	47
Diallate	47	U	47
Dibenz(a,h)anthracene	47	U	47
Dibenzofuran	47	U	47
3,3'-Dichlorobenzidine	94	U	94
2,6-Dichlorophenol	47	U	47
2,4-Dichlorophenol	47	U	47
Diethyl phthalate	47	U	47
Dimethoate	47	U	47
7,12-Dimethylbenz(a)anthracene	47	U	47
3,3'-Dimethylbenzidine	94	U	94
2,4-Dimethylphenol	47	U	47
Dimethyl phthalate	47	U	47
Di-n-butyl phthalate	47	U	47
1,3-Dinitrobenzene	47	U	47
4,6-Dinitro-2-methylphenol	240	U	240

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1113
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6800.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	240	U	240
2,6-Dinitrotoluene	47	U	47
2,4-Dinitrotoluene	47	U	47
Di-n-octyl phthalate	47	U	47
Dinoseb	47	U	47
1,4-Dioxane	47	U	47
Disulfoton	47	U	47
Ethyl methanesulfonate	47	U	47
Famphur	47	U	47
Fluoranthene	47	U	47
Fluorene	47	U	47
Hexachlorobenzene	47	U	47
Hexachlorobutadiene	47	U	47
Hexachlorocyclopentadiene	47	U	47
Hexachloroethane	47	U	47
Hexachlorophene	24000	U	24000
Hexachloropropene	47	U	47
Indeno[1,2,3-cd]pyrene	47	U	47
Isophorone	47	U	47
Isosafrole	47	U	47
Methapyrilene	9400	U	9400
3-Methylcholanthrene	47	U	47
Methyl methanesulfonate	47	U	47
2-Methylnaphthalene	47	U	47
Methyl parathion	47	U	47
2-Methylphenol	47	U	47
3 & 4 Methylphenol	47	U	47
Naphthalene	47	U	47
1,4-Naphthoquinone	47	U	47
1-Naphthylamine	47	U	47
2-Naphthylamine	47	U	47
3-Nitroaniline	240	U	240
2-Nitroaniline	240	U	240
4-Nitroaniline	240	U	240
Nitrobenzene	47	U	47
4-Nitrophenol	240	U	240
2-Nitrophenol	47	U	47
4-Nitroquinoline-1-oxide	94	U	94
N-Nitro-o-toluidine	47	U	47
N-Nitrosodiethylamine	47	U	47
N-Nitrosodimethylamine	47	U	47
N-Nitrosodi-n-butylamine	47	U	47
N-Nitrosodi-n-propylamine	47	U	47

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1113
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6800.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	47	U	47
N-Nitrosomethylethylamine	47	U	47
N-Nitrosomorpholine	47	U	47
N-Nitrosopiperidine	47	U	47
N-Nitrosopyrrolidine	47	U	47
o,o',o"-Triethylphosphorothioate	47	U	47
Parathion	47	U	47
p-Dimethylamino azobenzene	47	U	47
Pentachlorobenzene	47	U	47
Pentachloronitrobenzene	47	U	47
Pentachlorophenol	240	U	240
Phenacetin	47	U	47
Phenanthrene	47	U	47
Phenol	47	U	47
Phorate	47	U	47
2-Picoline	47	U	47
p-Phenylene diamine	9400	U	9400
Pronamide	47	U	47
Pyrene	47	U	47
Pyridine	240	U	240
Safrole, Total	47	U	47
Sulfotepp	47	U	47
1,2,4,5-Tetrachlorobenzene	47	U	47
2,3,4,6-Tetrachlorophenol	47	U	47
Thionazin	47	U	47
2-Toluidine	47	U	47
1,2,4-Trichlorobenzene	47	U	47
2,4,5-Trichlorophenol	47	U	47
2,4,6-Trichlorophenol	47	U	47
1,3,5-Trinitrobenzene	47	U	47
1-Chloro-3-nitrobenzene	47	U	47
1-Chloro-4-nitrobenzene	47	U	47
1-Chloro-2-nitrobenzene	47	U	47
2-Nitrobiphenyl	47	U	47
2,4-Dichloronitrobenzene	47	U	47
3-Nitrobiphenyl	47	U	47
3,4-Dichloronitrobenzene	47	U	47
4-Nitrobiphenyl	47	U	47

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	X D	59 - 103
2-Fluorophenol	68		56 - 100
Nitrobenzene-d5	0	X D	60 - 102
Phenol-d5	70		55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA3M-0906**

Lab Sample ID: 680-20272-12
Client Matrix: Water

Date Sampled: 09/14/2006 1010
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1113
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6800.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec		Acceptance Limits
Terphenyl-d14	0	X D	10 - 154
2,4,6-Tribromophenol	71		55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1209
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6802.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	48	U	48
Acenaphthylene	48	U	48
Acetophenone	48	U	48
2-Acetylaminofluorene	48	U	48
alpha,alpha-Dimethyl phenethylamine	9600	U	9600
4-Aminobiphenyl	48	U	48
Aniline	96	U	96
Anthracene	48	U	48
Aramite, Total	48	U	48
Benzo[a]anthracene	48	U *	48
Benzo[a]pyrene	48	U	48
Benzo[b]fluoranthene	48	U	48
Benzo[g,h,i]perylene	48	U	48
Benzo[k]fluoranthene	48	U	48
Benzyl alcohol	48	U	48
1,1'-Biphenyl	48	U	48
Bis(2-chloroethoxy)methane	48	U	48
Bis(2-chloroethyl)ether	48	U	48
bis(chloroisopropyl) ether	48	U	48
Bis(2-ethylhexyl) phthalate	48	U	48
4-Bromophenyl phenyl ether	48	U	48
Butyl benzyl phthalate	48	U	48
4-Chloroaniline	100		96
4-Chloro-3-methylphenol	48	U	48
2-Chloronaphthalene	48	U	48
2-Chlorophenol	48	U	48
4-Chlorophenyl phenyl ether	48	U	48
Chrysene	48	U	48
Diallate	48	U	48
Dibenz(a,h)anthracene	48	U	48
Dibenzofuran	48	U	48
3,3'-Dichlorobenzidine	96	U	96
2,4-Dichlorophenol	48	U	48
2,6-Dichlorophenol	48	U	48
Diethyl phthalate	48	U	48
Dimethoate	48	U	48
7,12-Dimethylbenz(a)anthracene	48	U	48
3,3'-Dimethylbenzidine	96	U	96
2,4-Dimethylphenol	48	U	48
Dimethyl phthalate	48	U	48
i-n-butyl phthalate	48	U	48
,3-Dinitrobenzene	48	U	48
4,6-Dinitro-2-methylphenol	240	U	240

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1209
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6802.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	240	U	240
2,6-Dinitrotoluene	48	U	48
2,4-Dinitrotoluene	48	U	48
Di-n-octyl phthalate	48	U	48
Dinoseb	48	U	48
1,4-Dioxane	48	U	48
Disulfoton	48	U	48
Ethyl methanesulfonate	48	U	48
Famphur	48	U	48
Fluoranthene	48	U	48
Fluorene	48	U	48
Hexachlorobenzene	48	U	48
Hexachlorobutadiene	48	U	48
Hexachlorocyclopentadiene	48	U	48
Hexachloroethane	48	U	48
Hexachlorophene	24000	U	24000
Hexachloropropene	48	U	48
Indeno[1,2,3-cd]pyrene	48	U	48
Isophorone	48	U	48
Isosafrole	48	U	48
Methapyrilene	9600	U	9600
3-Methylcholanthrene	48	U	48
Methyl methanesulfonate	48	U	48
2-Methylnaphthalene	48	U	48
Methyl parathion	48	U	48
2-Methylphenol	48	U	48
3 & 4 Methylphenol	48	U	48
Naphthalene	48	U	48
1,4-Naphthoquinone	48	U	48
1-Naphthylamine	48	U	48
2-Naphthylamine	48	U	48
3-Nitroaniline	240	U	240
2-Nitroaniline	240	U	240
4-Nitroaniline	240	U	240
Nitrobenzene	48	U	48
4-Nitrophenol	240	U	240
2-Nitrophenol	48	U	48
4-Nitroquinoline-1-oxide	96	U	96
N-Nitro-o-toluidine	48	U	48
N-Nitrosodiethylamine	48	U	48
N-Nitrosodimethylamine	48	U	48
N-Nitrosodi-n-butylamine	48	U	48
N-Nitrosodi-n-propylamine	48	U	48

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1209
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6802.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	48	U	48
N-Nitrosomethylethylamine	48	U	48
N-Nitrosomorpholine	48	U	48
N-Nitrosopiperidine	48	U	48
N-Nitrosopyrrolidine	48	U	48
o,o',o"-Triethylphosphorothioate	48	U	48
Parathion	48	U	48
p-Dimethylamino azobenzene	48	U	48
Pentachlorobenzene	48	U	48
Pentachloronitrobenzene	48	U	48
Pentachlorophenol	240	U	240
Phenacetin	48	U	48
Phenanthrene	48	U	48
Phenol	48	U	48
Phorate	48	U	48
2-Picoline	48	U	48
p-Phenylene diamine	9600	U	9600
Pronamide	48	U	48
Pyrene	48	U	48
Pyridine	240	U	240
Safrole, Total	48	U	48
Sulfotepp	48	U	48
1,2,4,5-Tetrachlorobenzene	48	U	48
2,3,4,6-Tetrachlorophenol	48	U	48
Thionazin	48	U	48
2-Toluidine	48	U	48
1,2,4-Trichlorobenzene	48	U	48
2,4,5-Trichlorophenol	48	U	48
2,4,6-Trichlorophenol	48	U	48
1,3,5-Trinitrobenzene	48	U	48
1-Chloro-3-nitrobenzene	48	U	48
1-Chloro-4-nitrobenzene	48	U	48
1-Chloro-2-nitrobenzene	48	U	48
2-Nitrobiphenyl	48	U	48
2,4-Dichloronitrobenzene	48	U	48
3-Nitrobiphenyl	48	U	48
3,4-Dichloronitrobenzene	48	U	48
4-Nitrobiphenyl	48	U	48

Surrogate	%Rec		Acceptance Limits
Fluorobiphenyl	0	X D	59 - 103
Fluorophenol	54	X	56 - 100
Nitrobenzene-d5	0	X D	60 - 102
Phenol-d5	62		55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2M-0906**

Lab Sample ID: 680-20272-14
Client Matrix: Water

Date Sampled: 09/14/2006 1220
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 10/05/2006 1209
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56665
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g6802.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec		Acceptance Limits
Terphenyl-d14	0	X D	10 - 154
2,4,6-Tribromophenol	81		55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB**

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0202
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5681.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U *	9.4
Benzo[a]pyrene	9.4	U	9.4
enzo[b]fluoranthene	9.4	U	9.4
Benzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
imethyl phthalate	9.4	U	9.4
n-butyl phthalate	9.4	U	9.4
,3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB**

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0202
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5681.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	47	U	47
2,6-Dinitrotoluene	9.4	U	9.4
2,4-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
3-Nitroaniline	47	U	47
2-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
4-Nitrophenol	47	U	47
2-Nitrophenol	9.4	U	9.4
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB**

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0202
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5681.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o''-Triethylphosphorothioate	9.4	U	9.4
Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
henacetin	9.4	U	9.4
henanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	9.4	U	9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
1-Chloro-4-nitrobenzene	9.4	U	9.4
1-Chloro-2-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	9.4	U	9.4
4-Nitrobiphenyl	9.4	U	9.4

Surrogate	%Rec	Acceptance Limits
Fluorobiphenyl	65	59 - 103
Fluorophenol	67	56 - 100
Nitrobenzene-d5	73	60 - 102
Phenol-d5	75	55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906-EB**

Lab Sample ID: 680-20272-16
Client Matrix: Water

Date Sampled: 09/14/2006 1400
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0202
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5681.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec	Acceptance Limits
Terphenyl-d14	104	10 - 154
2,4,6-Tribromophenol	74	55 - 126

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0232
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5682.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.6	U	9.6
Acenaphthylene	9.6	U	9.6
Acetophenone	9.6	U	9.6
2-Acetylaminofluorene	9.6	U	9.6
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.6	U	9.6
Aniline	19	U	19
Anthracene	9.6	U	9.6
Aramite, Total	9.6	U	9.6
Benzo[a]anthracene	9.6	U *	9.6
Benzo[a]pyrene	9.6	U	9.6
Benzo[b]fluoranthene	9.6	U	9.6
Benzo[g,h,i]perylene	9.6	U	9.6
Benzo[k]fluoranthene	9.6	U	9.6
Benzyl alcohol	9.6	U	9.6
1,1'-Biphenyl	9.6	U	9.6
Bis(2-chloroethoxy)methane	9.6	U	9.6
Bis(2-chloroethyl)ether	9.6	U	9.6
bis(chloroisopropyl) ether	9.6	U	9.6
Bis(2-ethylhexyl) phthalate	9.6	U	9.6
4-Bromophenyl phenyl ether	9.6	U	9.6
Butyl benzyl phthalate	9.6	U	9.6
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.6	U	9.6
2-Chloronaphthalene	9.6	U	9.6
2-Chlorophenol	9.6	U	9.6
4-Chlorophenyl phenyl ether	9.6	U	9.6
Chrysene	9.6	U	9.6
Diallate	9.6	U	9.6
Dibenz(a,h)anthracene	9.6	U	9.6
Dibenzofuran	9.6	U	9.6
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.6	U	9.6
2,6-Dichlorophenol	9.6	U	9.6
Diethyl phthalate	9.6	U	9.6
Dimethoate	9.6	U	9.6
7,12-Dimethylbenz(a)anthracene	9.6	U	9.6
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.6	U	9.6
Dimethyl phthalate	9.6	U	9.6
Di-n-butyl phthalate	9.6	U	9.6
1,3-Dinitrobenzene	9.6	U	9.6
4,6-Dinitro-2-methylphenol	48	U	48

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0232
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5682.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	48	U	48
2,6-Dinitrotoluene	9.6	U	9.6
2,4-Dinitrotoluene	9.6	U	9.6
Di-n-octyl phthalate	9.6	U	9.6
Dinoseb	9.6	U	9.6
1,4-Dioxane	9.6	U	9.6
Disulfoton	9.6	U	9.6
Ethyl methanesulfonate	9.6	U	9.6
Famphur	9.6	U	9.6
Fluoranthene	9.6	U	9.6
Fluorene	9.6	U	9.6
Hexachlorobenzene	9.6	U	9.6
Hexachlorobutadiene	9.6	U	9.6
Hexachlorocyclopentadiene	9.6	U	9.6
Hexachloroethane	9.6	U	9.6
Hexachlorophene	4800	U	4800
Hexachloropropene	9.6	U	9.6
Indeno[1,2,3-cd]pyrene	9.6	U	9.6
Isophorone	9.6	U	9.6
Isosafrole	9.6	U	9.6
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.6	U	9.6
Methyl methanesulfonate	9.6	U	9.6
2-Methylnaphthalene	9.6	U	9.6
Methyl parathion	9.6	U	9.6
2-Methylphenol	9.6	U	9.6
3 & 4 Methylphenol	9.6	U	9.6
Naphthalene	9.6	U	9.6
1,4-Naphthoquinone	9.6	U	9.6
1-Naphthylamine	9.6	U	9.6
2-Naphthylamine	9.6	U	9.6
3-Nitroaniline	48	U	48
2-Nitroaniline	48	U	48
4-Nitroaniline	48	U	48
Nitrobenzene	9.6	U	9.6
4-Nitrophenol	48	U	48
2-Nitrophenol	9.6	U	9.6
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.6	U	9.6
N-Nitrosodiethylamine	9.6	U	9.6
N-Nitrosodimethylamine	9.6	U	9.6
N-Nitrosodi-n-butylamine	9.6	U	9.6
N-Nitrosodi-n-propylamine	9.6	U	9.6

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0232
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5682.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	9.6	U	9.6
N-Nitrosomethylethylamine	9.6	U	9.6
N-Nitrosomorpholine	9.6	U	9.6
N-Nitrosopiperidine	9.6	U	9.6
N-Nitrosopyrrolidine	9.6	U	9.6
o,o',o''-Triethylphosphorothioate	9.6	U	9.6
Parathion	9.6	U	9.6
p-Dimethylamino azobenzene	9.6	U	9.6
Pentachlorobenzene	9.6	U	9.6
Pentachloronitrobenzene	9.6	U	9.6
Pentachlorophenol	48	U	48
Phenacetin	9.6	U	9.6
Phenanthrene	9.6	U	9.6
Phenol	9.6	U	9.6
Phorate	9.6	U	9.6
2-Picoline	9.6	U	9.6
p-Phenylene diamine	1900	U	1900
Pronamide	9.6	U	9.6
Pyrene	9.6	U	9.6
Pyridine	48	U	48
Safrole, Total	9.6	U	9.6
Sulfotepp	9.6	U	9.6
1,2,4,5-Tetrachlorobenzene	9.6	U	9.6
2,3,4,6-Tetrachlorophenol	9.6	U	9.6
Thionazin	9.6	U	9.6
2-Toluidine	9.6	U	9.6
1,2,4-Trichlorobenzene	9.6	U	9.6
2,4,5-Trichlorophenol	9.6	U	9.6
2,4,6-Trichlorophenol	9.6	U	9.6
1,3,5-Trinitrobenzene	9.6	U	9.6
1-Chloro-3-nitrobenzene	9.6	U	9.6
1-Chloro-4-nitrobenzene	9.6	U	9.6
1-Chloro-2-nitrobenzene	9.6	U	9.6
2-Nitrobiphenyl	9.6	U	9.6
2,4-Dichloronitrobenzene	9.6	U	9.6
3-Nitrobiphenyl	9.6	U	9.6
3,4-Dichloronitrobenzene	9.6	U	9.6
4-Nitrobiphenyl	9.6	U	9.6

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	77	59 - 103
2-Fluorophenol	78	56 - 100
Nitrobenzene-d5	80	60 - 102
Phenol-d5	85	55 - 104

Client: Solutia Inc.

Job Number: 680-20272-1
Sdg Number: KPM003

Client Sample ID: **PMA2S-0906**

Lab Sample ID: 680-20272-18
Client Matrix: Water

Date Sampled: 09/14/2006 1525
Date Received: 09/16/2006 0845

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 09/30/2006 0232
Date Prepared: 09/20/2006 0827

Analysis Batch: 680-56661
Prep Batch: 680-55366

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g5682.d
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1 mL
Injection Volume:

Surrogate	%Rec	Acceptance Limits
Terphenyl-d14	107	10 - 154
2,4,6-Tribromophenol	83	55 - 126